



***The Air Force Global Reach Laydown (GR1):  
An Allowance Standard Review Using the  
Estimating Supplies Program to Develop a  
Requirements-Based Materiel Solution***

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# The Air Force Global Reach Laydown (GR1)

## An Allowance Standard Review Using the Estimating Supplies Program to Develop a Requirements-Based Materiel Solution



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## Summary

### Problem

The U.S. Air Force Air Mobility Command Manpower and Equipment Force Packaging (MEFPAK) Manager, through the Readiness Support Development Medical Logistics Division Office of the Surgeon General (AFMOA/SG3SLX), requested a review of the Global Reach Laydown supplies and equipment (GR1) Allowance Standard (AS). The purpose of this effort was to review the AS in the context of the unit's mission and develop a requirements-based materiel solution using the Naval Health Research Center inventory validation process and the Estimating Supplies Program (ESP).

### Objective

The primary objective of this study was to provide the Air Force with a recommended inventory that satisfies the mission and was based solely on the stated operational requirements for both the clinical and preventive medicine functional areas that make up the GR1.

### Approach

The starting point for this review was the initial GR1 technical report that served as a baseline<sup>1</sup> for populating the inventory. This entailed reviewing the range of patient conditions and preventive medicine objectives listed in the baseline study. The range of clinical and preventive medicine (PM) tasks were also studied, ensuring they were mission-appropriate and in keeping with the first responder capability described in the Joint Taxonomy of Care. The inventory items were associated to clinical and preventive medicine tasks with the materiel required to perform those tasks.

### Results

The most significant result of this study was a list of recommended line items to add to the AS, thereby enhancing the GR1's capabilities. The items were recommended based on whether and how well they fulfilled mission requirements, and in quantities derived from the patient stream and preventive medicine task frequencies reviewed by a subject matter expert (SME) panel.

Changes in the AS were derived from either Service or Joint common supply solutions, ensuring standardization. Capability enhancements included line items to perform nasogastric and chest tube suction, and QuikClot was recommended to manage noncompressible class IV hemorrhages.

The study also produced a weight, cube, and cost analysis of the inventory based on the patient stream. The recommended inventory was compared with the current AS configuration, and differences in weight, cube, and cost totals were calculated. Finally, a rationale for each recommended addition or deletion was provided, explaining why an item, based on the requirements, was either added to or removed from the AS.

## Discussion and Conclusion

With guidance from the clinical, preventive medicine, and logistical SME panel members and using the relational databases in ESP, a materiel solution for the GR1 was derived that was in keeping with the kind of care outlined in the Joint Taxonomy of Care for an emergency care capability.

Using a patient stream and preventive medicine task frequencies that were reflective of the GR1 Mission Capability Statements, ESP generated a recommended line list derived from an SME-developed patient stream. The line items are provided in Low Unit of Measure (LUM) and the unit of issue (UI), where appropriate. The weight, cube, and cost are predicated on the consumption of an item by the scenario and whether the item is provided for in either LUM or UI.

Using ESP as a materiel management tool is invaluable in the development and configuration of an AS. Given the operational constraint of providing medical platforms in a leaner, lighter posture, the program allows planners to more accurately calculate the weight, cube, and cost to deploy a system and to provide line items in quantities appropriate for the mission. In addition, it provides visibility from patient condition to task to supplies for those tasks, which assures clinicians that any patient encountered can be treated with the materiel on hand. Finally, logisticians can more accurately predict an initial laydown and re-supply requirements for a given scenario.

## Background

The U.S. Armed Services are developing military medical systems to satisfy the Joint Chiefs of Staff *Joint Vision 2010* concept of providing greater expeditionary mobility and dispersion with a smaller logistical footprint.<sup>1</sup> Additionally, guidance provided by *Joint Vision 2020* calls for a more scientific approach that leverages and enhances existing information technologies, a key to supporting modern operational capabilities.<sup>2</sup> In addition to developing joint medical capabilities, the Air Force is deploying medical resources in response to natural disasters, attending to the medical needs of a civilian population in harm's way.<sup>3</sup> To accomplish these missions efficiently, a more precise means for determining medical readiness is necessary. One way to do that is by establishing the baseline of a system's clinical capability using its mission requirements.

Under the aegis of the Marine Corps Systems Command, the Naval Health Research Center (NHRC) developed a methodology to do precisely that. NHRC created a medical requirements model and supporting database called the Estimating Supplies Program (ESP), which maps clinical tasks to the supplies required to complete those tasks. It has been used to develop the Marine Corps Forward Resuscitative Surgical System<sup>4</sup> and En Route Care System medical capabilities.<sup>5</sup> ESP also baselined the clinical capabilities of the Air Force Mobile Field Surgical Team (MFST),<sup>6</sup> Critical Care Air Transport Team (CCATT),<sup>7</sup> and the Global Reach Laydown (GR1) Allowance Standards (ASs).<sup>8</sup> The ESP database is a primary source of data for the joint Common User Database developed by the Defense Medical Standardization Board (DMSB) for levels 1 and 2 battlefield care.

NHRC's methodology establishes a recommended baseline AS, followed by periodic reviews. The Global Reach Laydown (GRL) was initially studied and base-lined in the summer of 2006. During this study, a number of modifications to the AS were forwarded to the Manpower and Equipment Force Packaging (MEFPAK) Manager for consideration. This paper presents the first review of an already base-lined Air Force medical system.

The first task was to review the patient conditions (PCs) for which the GR1 capability provides care to see if there were changes to the baseline patient stream. Establishing which PCs the capability treats ensures the supplies chosen are linked to clinical tasks the capability is intended to satisfy. Using ESP's underlying relational database structure, the necessary associations can be made. Figure 1 shows the relationship between PC 166, a multiple injury wound involving penetrating wounds to the chest and kidney, and the tasks and supplies needed to care for that particular condition, according to the mission requirements of the capability. NHRC maps PCs to ICD-9 *International Classification of Diseases*, Ninth Revision, (ICD-9) diagnostic codes. Many of the PCs are multiple injury wounds and, as such, PC 166, which is mapped to ICD-9 codes 860 and 863.5,

ICD-9	PC	LOC	FA	Task	% of Pts	Supplies
-	001	FFQDM	-	Triage	100	<u>Sponge Surgical 4x4 Cellulose</u> <u>Pad Abdominal 7.5X8 Ster 240S</u> <u>Dressing pressure pad cotton</u> <u>11.75X11.75 latex-free</u> <u>Adhesive tape surgical 198X2in</u> <u>white hypoallergenic</u>
-	002		-	Assess/ Evaluate Pt	100	
-	003	-	PM	Oxygen Set Up	100	
-	-	-	-	Oxygen Admin	100	
860	-	-	SC	Needle Thoracostomy	25	
-	-	GRL	-	Emergency Hemorrhage	100	
-	166	-	-	Control	50	
863.5	-	-	-	Warm Fluid Infusion		

Figure 1. Modeling relational database structure for clinical tasks for PC 166 (ICD-9 Codes 860, 863.5), Multiple Injury Wound Chest with Pneumo-hemothorax and Abdomen with Penetrating Wound to the Colon.

preventive medicine objectives (PMOs) were modeled with associated supplies and equipment, as depicted in Figure 2. In this example PMO 950, *Water Sanitation*, is linked to the GR1's preventive medicine (PM) FA and to the PM task of *Obtain Water/Ice Sample/Conduct Bacteriological Testing*. Task frequencies, determined using SME input, are largely dependent on population at risk size and the inherent disease risk for a given area of operations. In this example, the task frequency was 52 times and was mapped to the materiel solution for the task. SME recommendations were based on deploying with a full complement of 300 personnel for a 30-day period in an operational setting with minimal host-country infrastructure and PM assets.

PMO	LOC	FA	Task	Task Freq for 30 days	Equipment/Supplies
950	-	-	EVALUATE POTENTIAL POTABLE WATER SOURCES	52	Bag water sample polyethylene Water sampling test reagent Coliform 200S Water testing kit bacteriological Comparator Color: Hydrogen ion & residual chlorine Light Ultraviolet Specimen Examining Battery Power 4 W
951	-	SC		4	
952	-	-	SELECT POTABLE WATER SOURCE SITE	4	
953	GRL	-	OBTAIN WATER SAMPLE/CONDUCT pH TESTING	20	
954	-			300	
955	PAM	PM	OBTAIN WATER SAMPLE/CONDUCT CHLORINE TESTING	30	
956	-	-			
957		-	OBTAIN WATER/ICE SAMPLE/CONDUCT BACTERIOLOGICAL TESTING		
958	-	-			
959					

Figure 2. Modeling relational database structure for preventive medicine tasks.

## Global Reach Laydown Capabilities

GR1 capabilities are designed to reduce the impact of disease and nonbattle injuries on contingency operation missions, and to provide limited medical support. The GRL deploys with Tanker Airlift Control Elements (TALCE) or Mission Support Teams (MSTs), and assesses health risks associated with environmental and occupational health hazards. The GR1 provides the war fighter with capabilities in support of establishing a potential main operating base in a forward deployed location.<sup>6</sup> GR1's specific capabilities include:

- Provides medical input into proper laydown of installation facilities
- Determines adequacy of local billeting and public facilities
- Evaluates local medical capabilities
- Recommends locations for medical facilities
- Evaluates safety and vulnerability of local food and water sources
- Assesses occupational and environmental hazards
- Performs vector/pest risk assessment
- Provides medical intelligence
- Performs epidemiological risk assessment
- Performs initial nuclear, biological, and chemical and emergency response planning
- Provides limited medical support

The GR1 consists of four personnel: an Aerospace Medicine Specialist, a Bioenvironmental Engineer, a Public Health Officer, and an Independent Duty Medical Technician. The team is designed for mobility so it can provide timely clinical and PM support to meet the operational needs of the TALCE/MST.

## Methodology

The NHRC method of modeling medical materiel requirements was developed to establish and/or review medical assemblages for various levels of care in the Navy and Marine Corps. Its aim is to give medical personnel in the fleet or the field the materiel they need to provide the best possible care, while maintaining the minimal logistical footprint mandated by current Navy and Marine Corps doctrine. A subject matter expert (SME) panel rigorously reviews each step of this process to ensure every configuration meets the operational and medical needs of the service.

The ESP database was derived from Time, Task, Treater (TTT) files originally developed by the DMSB for level 3 medical treatment facilities. NHRC adapted the TTT files to model both Navy and Marine Corps level 1 and 2 facilities, updating ESP data monthly to reflect changes in medical equipment and supplies. Monthly updates include an assessment of the updates to ensure they comply with treatment protocols and advances in medical technology. FAs within each level of care are also routinely updated using SME input and military medical lessons-learned data to remain current with changes in field care and joint doctrine. As a result, NHRC is the primary contributor of level 1 and 2 data to the DMSB Common User Database. A

comprehensive description of ESP's background, capabilities, uses, frequently asked questions, and a download link is available at <http://www.nhrc.navy.mil/programs/esp/index.html>.

The GR1 model has two FAs, sick call (SC), and PM. Using two FAs to build the GR1 model in ESP means we can separately assess the SC and PM capabilities within the existing Unit Type Code (UTC) configuration, and validate the associated medical supplies and equipment required to support GR1 operational needs.

### Patient Conditions and Preventive Medicine Objectives

During the review, the full range of PMOs and PCs were reviewed by the preventive medicine and clinical SMEs. Both lists were considered comprehensive, therefore no changes were recommended to either list. A complete list of PMOs and PCs are provided in Appendix A.

The panel discussed the addition of PCs such as *rotator cuff tear* and *compartment syndrome*. Some existing PCs were considered general enough to accommodate the clinical requirements necessary to attend to those patients. For instance, a *rotator cuff tear* clinical intervention is appreciably less involved than the treatment of PC 064, *dislocation of shoulder, closed all cases*. Also, there are a number of PCs whose pathology includes compartment syndrome, which frequently occurs in soft tissue injuries and results in increased intrafascial space pressure.

### Clinical and Preventive Medicine Tasks

The list of PM and clinical tasks were reviewed to identify potential additions and deletions to the existing task profiles. The SMEs accepted the revised list as appropriate for the GR1 mission and for the first responder band of care. A complete list of PM and clinical tasks is provided in Appendix B.

#### Clinical Tasks

A *Patient Warming* task was added to the list of clinical tasks to attend to hypothermic patients. The *Patient Warming* task is required only for those PCs that are cold-related injuries or in trauma patients who are unable to regulate body temperature. The *Maintain Chest Tube Suction* task is called for in PCs that have either Pneumo-Hemothorax and have a chest tube in place. It was recommended from the baseline GRL study and was addressed during this review. It was considered within the scope of practice for this UTC, as were the *Foley Catheterization* and the *Airway Suction* tasks. Supplies and equipment profiles were developed for these tasks and were derived either from existing Air Force ASs, from ESP's supply and equipment profiles, or from the Universal Data Repository (UDR), and all represent Joint materiel solutions.

The *Bowel Sound Assessment* task was removed from the list of clinical tasks because in recent reviews it was deemed of little value in abdominal assessments.

Several tasks were enhanced, most notably, the *Emergency Control of Hemorrhage* task. Prior to the review, there was an inadequate materiel solution to control noncompressible hemorrhages. QuikClot was recommended for addition to the AS. This product has undergone rigorous evaluation in controlling Class IV hemorrhage bleeding in operational settings and has tremendous value for nonsurgical control of bleeding. Also enhanced was the *Apply Tourniquet* task. The only item previously available with which to apply a tourniquet was a cravat or some

other field-expedient solution, whereas the recommended Combat Action Tourniquet is lightweight, easy to apply, and has a one-handed windless system. The clinicians also revised the *Emergency Cricothyroidotomy* task, determining that the cricothyroidotomy kit currently used is inadequate; it is missing ties, scalpels, and other items necessary to performing this emergency procedure correctly.

### Preventive Medicine

The current list of PM tasks in the GR1 model was reviewed by PM SMEs who determined that Task Z924 *Collect Soil Sample and Conduct Test* falls outside the GR1 standard of practice, and it was consequently removed. Removing the task resulted in a decreased demand for the materiel, but no line items were removed from the AS because they were all required for other tasks. There were no other changes to the PM task list.

### Preventive Medicine Task Frequency and Clinical Patient Stream

Once the range of PMOs and PCs were deemed appropriate to GR1 mission requirements and the clinical and PM tasks were reviewed by the SME panel, PM task frequencies and a patient stream were developed. The PCs and PMOs data points are the basis for scenarios to properly estimate the initial GR1 laydown.

### Clinical Patient Stream

The original patient stream was reviewed and modified by the clinical leadership; the results of which are shown in Appendix C. Due to the random nature of the patient stream generator, the original patient stream did not include all the clinical tasks. However, to ensure that the associated line items are present in the proposed AS, those tasks are provided so that each task can be performed at least once those tasks not included in the scenario are listed in Table 1.

**Table 1. Tasks Not Included in the Patient Stream**

Task Number	Task Description
007	Emergency Cricothyroidotomy
076	Gastric Lavage
079	Foley Catheterization
121	Eye Irrigation
123	Eye Care (Dressings/Eye Patch)
124	Ear Irrigation
802	Initial/Subsequent Non-Surgical Debridement of Burns or Wounds
A6	Apply Tourniquet
D294	Sedative Filling
Z094	Extremity Traction
ZZ02	Stain Eyes (Fluorescein Stain/Wood's Lamp)

### Preventive Medicine

PM task frequency determination is critical in developing proper supplies and equipment estimations. The frequency matrix used in the baseline study was reviewed. In the initial study, task frequencies were based on how often a task was performed (once, daily, weekly, or monthly), and then on worst-case scenario, in which the GR1 was deployed in an environment

with little to no public health infrastructure, requiring it to support a full complement for a 30-day period. The PM panel members agreed that the tasks and frequencies in their current configuration constituted an appropriate scenario for this effort. The PM task frequency matrix is provided in Appendix D.

### Preventive Medicine and Clinical Task and Supply Review

The final data points reviewed were preventive medicine and clinical task profiles. This review studied the task to supplies and equipment relationship in the context of scope of care.

### Results and Discussion

As a result of SME guidance on clinical and PM mission requirements, a model was built using the GR1 AS in its recommended configuration. The model was simulated using an SME-defined patient stream and PM task frequencies, resulting in a recommended allowance with levels appropriate for the scenario.

### Categorization of Line Items in the Allowance Standard

There were 336 line items included in the analysis of the GR1 AS. The line items were categorized by the recommendation made regarding their status. Table 2 lists the categories, the number of line items in the categories, and the percentage of that type of recommendation. The line items were categorized as follows:

A = Quantity Unchanged. Current component, no change recommended based on requirement from the simulation.

B = Quantity Decreased. Current component, quantity recommended decreased based on requirement from the simulation.

C = Delete Without Replacement. Item recommended for removal without recommended replacement.

D = Delete With Replacement. Current component. Recommended removal with recommended replacement.

E = Quantity Increased. Current component. Recommended quantity increase based on requirement from the simulation.

F = New Item, Replacement. New component. Recommended addition to the AS to replace a line item in Category D.

G = New Item, New Component. Recommended new item not listed in the AS.

**Table 2. Percent Category**

Category	Category Description	Number	Percent
A	Quantity Unchanged	139	41.12
B	Quantity Decreased	122	36.09
C	Delete Without Replacement	11	3.25
D	Delete With Replacement	4	1.18
E	Quantity Increased	29	8.58
F	New Item, Replacement	5	1.48
G	New Item, New Component	28	8.28
	Total	336	100

## Rationale Supporting Line Changes

Several of the refinements and recommended changes made as a result of the review were capability enhancements, while others improved technology, redundancies and Service and Joint standardization. Figure 3 graphically depicts these changes. A total of 46 line items were either added to or deleted from the AS, categorized into 82 justifications. The recommendations were developed in the context of GR1 PM and clinical requirements within its band of care. All items that were added were derived either from other Air Force ASs currently resident in ESP, or identified in the UDR.

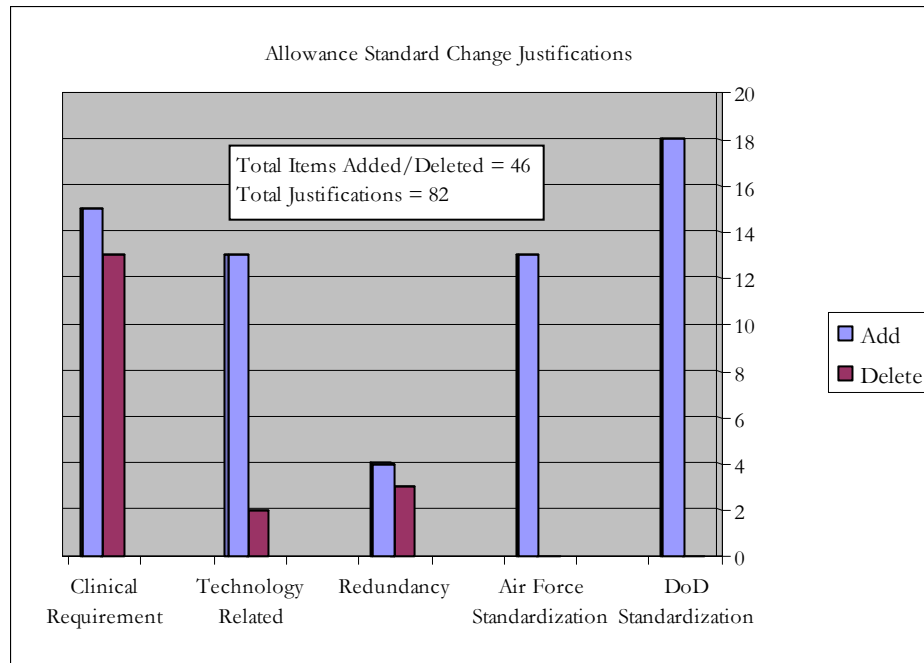


Figure 1. GR1 change justifications.

Figure 1 shows that the greatest justification for change was to enhance current clinical and PM capabilities based on SME guidance. Figure 1 also shows that many items were eliminated, although none were deleted due to intra-service or Joint standardization, an important factor to consider in light of the interoperability requirement of our armed forces' deployed medical resources. Supply standardization has a significant logistical impact and ensures continuity of care throughout the evacuation chain.

The most frequent justification for deleting an item was clinical requirement. Generally, this was a function of identifying an item that does not represent the best solution available. For instance, the current cricothyroidotomy kit was replaced with another that performed the same task but provided a more comprehensive solution. The new kit includes ties to secure the cricothyroidotomy tube, and an assortment of additional items that facilitate the procedure. One reason to recommend an item for deletion with replacement, a category D item, was its quantities far exceeded clinical requirements. For example, the inventory currently has Temazepam 15 mg in bottles of 500, whereas the scenario's clinical requirement is for 16 tablets. Temazepam is a sedative similar to Valium, which is also in the current AS. Those factors

resulted in recommending a bottle of Temazepam 15 mg with only 100 tablets, making the solution a Joint item identified in the UDR.

Justifications to add items to the inventory were based solely on operational requirements and the UTC standard of care. Equipment to perform suction tasks and tasks to insert nasogastric and chest tubes were added to the AS because they were considered to be within GR1 requirements. In contrast, the Advanced Cardiac Life Support (ACLS) level *cardiopulmonary resuscitation* task was discussed but not included because ACLS was considered to exceed the type of care provided by this UTC.

### Preventive Medicine

Once the frequencies were accepted, a review of the PM task and supplies and equipment relationships were studied. The only PM item recommended for addition to the AS was the bimetallic thermometer used in the food service facility inspections. This item is small and relatively inexpensive, but represents a capability enhancement for public health personnel who can assess food storage and preparation temperatures, ensuring food items are maintained at safe temperatures whether they are being stored, prepared, or served. The thermometer, although not found in any currently modeled Air Force AS, is found in the UDR and represents a Joint solution.

### Weight, Cube, and Cost Differences

Table 3 details the weight, cube, and cost of the required materiel for the scenario. Line items in this study were placed in four distinct categories based on their characteristics: equipment, medications, consumables, and durables.

The equipment category had a modest increase in weight, cube, and cost. Changes recommended for equipment items included adding a portable suction machine and deleting the Gas Detector Kit. The Industrial Hygiene SME recommended deleting the Gas Detector Kit from *Task Z918 Collect and Interpret Ambient Air Sample* because adding a vision chart, IV pole, and CAT tourniquet also contributed to the cost increase. Some money was saved in this category with the recommended removal of a \$96.00 calculator.

The medications category had the most significant weight, cube, and cost changes because so many of them are expensive, high-density items. For instance, the per-bottle price of 100 Ciprofloxacin tablets in the AS is \$420.11. The current inventory contains six bottles, which cost \$2,520.66, whereas the patient stream calls for two bottles totaling \$840.22, a cost difference of \$1,680.44. The patient stream also necessitated other changes in antibiotic quantities. Ciprofloxacin and Dexamethasone Otic Suspension in 7.5-ml bottles cost \$76.76 per bottle, and there are 10 bottles (\$767.60) in the inventory. The patient stream needed only two bottles totaling \$153.52, a cost difference of \$614.08. Although this is the predominant trend in medications, some increases in this category occurred. There were two bottles of 30 tablets of Amoxicillin and Potassium Clavulanate in the AS but the patient stream called for three, increasing the cost from \$199.86 to \$299.79.

The requirement for consumables was again based on the patient stream and, like the medications, there were notable differences in the materiel required to attend to patients' needs. Generally speaking, consumables are low-density items having more mass and less weight than medications, which accounts for the significant differences in the percentage of change found in Table 3. There were cost savings here also. The biggest savings was from the recommended replacement of a Knife General Surgical CRS 11 Blade with a plastic handle (NSN 6515014971110), which comes in packages of one and costs \$90.75. There are 10 in the inventory, for a total cost of \$907.50. Recommended to replace this item was the Knife General Surgical CRS 11 Blade (NSN 6515013139633) that comes in packages of 100 and costs \$43.49 per package. This item was recommended for the low unit of measure (LUM), and costs \$0.43 per knife; so, for this patient stream, which calls for seven, the total cost is \$3.01. Changes to other items that resulted in cost savings were 16 Dental Impression Kits (NSN 6520011732081), which contain 50 syringes and 50 plastics sheets and fingertip extenders used to facilitate loading syringes. The LUM for this item is kit and the patient stream requires one kit. At \$45.06 per kit, the current total cost is \$720.96, whereas the recommend level cost is \$45.06, a savings of \$675.90. Some items were recommended for decrease based solely on their consumption in the patient stream.

**Table 3. Weight, Cube, and Cost**

Category	Weight	Cube	Cost
Current Equipment	922.310	187.185	\$47,661.13
Revised Equipment	940.850	188.404	\$51,646.76
Difference	18.540	1.219	\$3,985.63
Percent Change	2.010	0.650	8.36
Current Medications	182.679	29.838	\$8,725.76
Revised Medications	94.855	21.349	\$4,537.26
Difference	-87.824	-8.489	-\$4,188.50
Percent Change	48.080	28.450	48.00
Current Consumables	316.102	65.883	\$9,965.61
Revised Consumables	217.002	44.720	\$7,604.65
Difference	-99.101	-21.163	-\$2,360.96
Percent Change	31.350	32.120	23.69
Current Durables	11.915	1.054	\$289.38
Revised Durables	3.549	0.448	\$91.67
Difference	-8.366	-0.606	-\$197.71
Percent Change	70.210	57.480	68.32
Total Current	1433.007	283.960	\$66,641.883
Total Revised	1256.256	254.922	\$63,880.350
Difference	-176.750	-29.038	-\$2,761.53
Percent Change	12.330	10.230	4.14

## Conclusion

A recommended AS has been validated. By applying a structured approach, each item has been linked to a clinical or PM requirement. Because each item is linked to a requirement, the effect on the overall delivery of health care and PM practices can be viewed, evaluated, and discussed prior to any future changes in the AS based on changes in mission requirements, modernization, or standardization. This structure also lends itself to more precise logistics management of this AS and any other currently modeled Air Force deployable medical system. The potential for this effort goes beyond precision logistics of the AS. NHRC processes are founded on comprehensive underlying databases that describe a full range of clinical and PM events. This same relational database provides the required resources to develop future Air Force medical models and ensures the fidelity of models being refined as a result of AS reviews.

NHRC methodologies and data structure also contribute to the effort to develop Service and Joint standardization, ensuring continuity across the bands of care. Finally, the ESP simulation creates an audit trail that establishes clinical requirements for supply items in medical inventories that enable planners, logisticians, and MEFPAC Managers to validate current inventories and perform analyses of projected changes to future inventories. It also serves as a leading consumption indicator, making it easier to identify resupply requirements to ensure sustainment.

Exporting ESP capabilities to inventories other than those of the Navy and Marine Corps proved to be a viable method of evaluating other preexisting medical systems' capabilities. In previous efforts, the inventories for the U.S. Air Force MFST, CCATT, and GRL UTCs have been successfully incorporated into ESP and simulated using an appropriate patient stream. ESP determines appropriate stock levels for equipment and consumable supplies for the patient stream and PM task frequencies. ESP is also a highly effective tool with which to configure resupply packs, ensuring medical materiel sustainment across the spectrum of medical care facilities, while maintaining their clinical capability.

## Acknowledgments

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## Glossary

ACLS – Advanced Cardiac Life Support

AS – Allowance Standard

CCATT – Critical Care Air Transport Team

DMSB – Defense Medical Standardization Board

ESP – Estimating Supplies Program

FA– functional area

GR1 – Global Reach Laydown (Equipment)

GRL – Global Reach Laydown (Personnel)

ICD-9 – *International Classification of Diseases*, Ninth Revision

LUM – low unit of measure

MEFPAK – Manpower and Equipment Force Packaging System

MFST – Mobile Field Surgical Team

MST – Mission Support Team

NHRC – Naval Health Research Center

PC – patient condition

PM – preventive medicine

PMO – Preventive Medicine Objective

SME – subject matter expert

TALCE – Tanker Airlift Control Element

UDR – Universal Data Repository

UI – Unit of Issue

UTC – Unit Type Code

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
001	Cerebral Concussion Closed w/without Nondepressed Linear Skull Fracture Severe -Loss Of Consciousness from 2- 12 Hours
002	Cerebral Concussion Closed w/without Nondepressed Linear Skull Fracture Moderate -Loss Of Consciousness Less Than 2 Hours
003	Cerebral Contusion Closed w/without Nondepressed Linear Skull Fracture Severe -Loss Of Consciousness Greater Than 24 Hours w/ Focal Neurological Deficit
004	Cerebral Contusion Closed w/without Nondepressed Linear Skull Fracture Moderate -Loss Of Consciousness from 12-24 Hours Without Focal Neurological Deficit
005	Cerebral Contusion Closed w/ Intracranial Hematoma with/without Non- Depressed Linear Skull Fracture - Severe - Large Hematoma (including Epidural Hematoma) with Rapidly Deteriorating Comatose Patient
006	Cerebral Contusion Closed w/ Nondepressed Linear Skull Fracture Severe -Loss Of Consciousness Greater Than 24 Hours with/without Focal Neurological Deficit
007	Cerebral Contusion Closed w/ Depressed Skull Fracture Severe - with Associated Intracerebral Hematoma and/or Massive Depression
008	Cerebral Contusion Closed w/ Depressed Skull Fracture Moderate -No Associated Hematoma or Significant Effect From Depression
009	Cerebral Contusion w/ Open Skull Fracture Severe - with Intracranial Fragments and/or Depressed Skull Fracture; Eyelid and Eyeball Laceration with Retained Intraocular Foreign Body
010	Cerebral Contusion w/ Open Skull Fracture Moderate - without Intracranial Fragments and/or Depressed Skull Fracture
011	Intracranial Hemorrhage Spontaneous Nontraumatic All Cases
013	Wound Scalp Open without Cerebral Injury or Skull Fracture Severe - Scalped w/Avulsion Of Tissue
014	Wound Scalp Open without Cerebral Injury or Skull Fracture Moderate - Scalp Laceration
015	Fracture Facial Bones Closed Exclusive Of Mandible Severe - Multiple Fractures
016	Fracture Facial Bones Closed Exclusive Of Mandible Moderate - Single Fracture
017	Wound Face Jaws and Neck Open Lacerated w/ Associated Fractures Excluding Spinal Fractures Severe - with Airway Obstruction
018	Wound Face Jaws and Neck Open Lacerated w/ Associated Fractures Excluding Spinal Fractures Moderate - Without Airway Obstruction; Eyelid and Eyeball Laceration w/ Retained Intraocular Foreign Body
019	Wound Face and Neck Open Lacerated Contused without Fractures Severe - w/ Airway Obstructions and/or Major Vessel Involvement
020	Wound Face and Neck Open Lacerated Contused without Fractures Moderate - without Airway Obstruction or Major Vessel Involvement
021	Eye Wound Severe -Loss Of Intraocular Fluid with/without Retinal Detachment, w/ Severe Lid Laceration, Eye Not Salvageable
022	Eye Wound Lacerated Moderate - without Retinal Detachment or Retinal Injury No Foreign Body Retained Without Loss Of Vitreous Fluid Patient has Hyphema Eye Salvageable
023	Hearing Impairment Severe
024	Hearing Impairment Moderate
025	Fracture Spine Closed without Cord Damage Unstable Lesion
026	Fracture Spine Closed without Cord Damage Stable Lesion
027	Fracture Spine Closed w/ Cord Damage Cervical Spine w/ Respiratory Involvement
028	Fracture Spine Closed w/ Cord Damage Below Cervical Spine (progressive)
029	Fracture Spine Open w/ Cord Damage Cervical Spine w/Respiratory Distress
030	Fracture Spine Open w/ Cord Damage Below Cervical Spine (progressive)
031	Intervertebral Disc Disorders w/ Nerve Root Compression Resistant To Bed Rest/traction
032	Intervertebral Disc Disorders w/ Nerve Root Compression Responding To Bed Rest/traction
033	Strains and Sprains Sacroiliac Region Severe - Non-ambulatory
034	Strains and Sprains Sacroiliac Region Moderate – Ambulatory
035	Burn Thermal Superficial Head and Neck Greater Than 5% but Less Than 10% of Total Body Area and/or Eye Involvement

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
036	Burn Thermal Superficial Head and Neck Less Than 5% of Total Body Area and No Eye Involvement
037	Burn Thermal Partial Thickness Head and Neck Greater Than 5% but Less Than 10% Of Total Body Area and/or Eye Involvement
038	Burn Thermal Partial Thickness Head and Neck Less Than 5% of Total Body Area and No Eye Involvement
039	Burn Thermal Full Thickness Head and Neck Greater Than 5% but Less Than 10% of Total Body Area with Eye Involvement
040	Burn Thermal Full Thickness Head and Neck Less Than 5% of Total Body Area and No Eye Involvement
041	Fracture Clavicle Closed All Cases
042	Wound Shoulder Girdle Open w/ Bone Injury Severe - Joint Involvement
043	Wound Shoulder Girdle Open w/ Bone Injury Moderate - No Joint Involvement
044	Fracture Humerus Closed Upper Shaft All Cases
045	Wound Upper Arm Open Penetrating Lacerated without Fracture Severe - w/ Nerve and/or Vascular Injury
046	Wound Upper Arm Open Penetrating Lacerated without Fracture Moderate - without Nerve or Vascular Injury
047	Wound Upper Arm Open w/ Fractures and Nerve and Vascular Injury Arm Non-salvageable
048	Wound Upper Arm Open w/ Fractures and Nerve Injury No Vascular Injury Arm Salvageable
049	Fracture Radius and Ulna Closed Severe - Shafts Of Bones
050	Fracture Radius and Ulna Closed Moderate - Colles Fracture
051	Wound Forearm Open Lacerated Penetrating without Bone Nerve or Vascular Injury w/ Major Loss Of Muscle Tissue Severe - Requiring Major Debridement
052	Wound Forearm Open Lacerated Penetrating without Bone Nerve or Vascular Injury Moderate - Not Requiring Major Debridement
053	Wound Forearm Open Lacerated Penetrating w/ Fracture and w/ Nerve and Vascular Injury Forearm Not Salvageable
054	Wound Forearm Open Lacerated Penetrating w/ Fracture and w/ Nerve and Vascular Injury Forearm Salvageable
055	Fracture Hand or Fingers Closed Severe - Requiring Open Reduction
056	Fracture Hand and/or Fingers Closed Moderate - Not Requiring Closed Reduction
057	Wound Hand and/or Fingers Open Lacerated without Fractures Severe - Superficial and Deep Tendon Involvement
058	Wound Hand and/or Fingers Open Lacerated without Fractures Moderate - No Tendon Involvement or Limited to Sublimis Tendon Involvement
059	Wound Hand Open Lacerated Contused Crushed w/ Fracture(s) All Cases - Involving Fractures of Carpals and/or Metacarpals
060	Wound Fingers Open Lacerated Contused Crushed w/ Fracture(s) of Phalangeals Requiring Rehabilitation
061	Crush Injury Upper Extremity Severe - Limb Not Salvageable
062	Crush Injury Upper Extremity Moderate - Limb Salvageable
064	Dislocation Shoulder Closed All Cases
065	Dislocation/fracture Elbow Closed Acute All Cases
067	Dislocation Hand or Wrist Closed Acute
068	Dislocation Fingers Closed Acute
069	Amputation Hand Traumatic Complete All Cases
070	Amputation Forearm Traumatic Complete All Cases
071	Amputation Full Arm Traumatic Complete All Cases
072	Sprain Wrist Closed Acute All Cases
073	Sprain Thumb Closed Acute Severe
074	Sprain Fingers Closed Acute Moderate - No Thumb Involvement
075	Burn Thermal Superficial Upper Extremities Greater Than 10% but Less Than 20% of Total Body Area Involved
076	Burn Thermal Superficial Upper Extremity Less Than 10% of Total Body Area Involved

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
077	Burn Thermal Partial Thickness Upper Extremities Greater Than 10% but Less Than 20% of Total Body Area Involved
078	Burn Thermal Partial Thickness Upper Extremity Less Than 10% of Total Body Area Involved
079	Burn Thermal Full Thickness Upper Extremities Greater Than 10% but Less Than 20% of Total Body Area Involved
080	Burn Thermal Full Thickness Upper Extremity Less Than 10% of Total Body Area Involved
081	Fracture Ribs Closed Severe - Multiple Fractures
082	Fracture Rib(s) Closed Moderate
083	Injury Lung Closed (blast Crush) w/ Pneumohemothorax Severe - One Lung With Pulmonary Contusion and Acute Severe Respiratory Distress
084	Injury Lung Closed (blast Crush) w/ Pneumohemothorax Moderate - One Lung w/ Pulmonary Contusion and Respiratory Distress
085	Wound Thorax (anterior or posterior) Open Superficial Lacerated Contused Abraded Avulsed Requiring Major Debridement
086	Wound Thorax (anterior or posterior) Open Superficial Lacerated Contused Abraded Avulsed Not Requiring Major Debridement
087	Wound Thorax (anterior or posterior) Open Penetrating w/ Associated Rib Fractures and Pneumohemothorax Acute Severe Respiratory Distress
088	Wound Thorax (anterior or posterior) Open Penetrating w/ Associated Rib Fractures and Pneumohemothorax Moderate Respiratory Distress
090	Burn Thermal Superficial Trunk Greater Than 20% but Less Than 30% of Total Body Area Involved
091	Burn Thermal Superficial Trunk Greater Than 10% but Less Than 20% of Total Body Area Involved
092	Burn Thermal Partial Thickness Trunk Greater Than 20% but Less Than 30% of Total Body Area Involved
093	Burn Thermal Partial Thickness Trunk Greater Than 10% but Less Than 20% of Total Body Area Involved
094	Burn Thermal Full Thickness Trunk Greater Than 20% but Less Than 30% of Total Body Area Involved
095	Burn Thermal Full Thickness Trunk Greater Than 10% but Less Than 20% of Total Body Area Involved
096	Wound Abdominal Wall (anterior or posterior) Lacerated Abraded Contused Avulsed without Entering Abdominal Cavity Severe - Requiring Major Debridement
097	Wound Abdominal Wall (anterior or posterior) Lacerated Abraded Contused Avulsed without Entering Abdominal Cavity Not Requiring Major Debridement
098	Wound Liver Closed Acute (crush Fracture) Major Liver Damage
099	Wound Liver Closed Acute (crush Fracture) Minor Liver Damage
100	Wound Spleen Closed Acute (crush Fracture) All Cases
101	Wound Abdominal Cavity Open w/ Lacerating Penetrating Perforating Wound to Large Bowel
102	Wound Abdominal Cavity Open w/ Lacerating Penetrating Perforating Wound to Small Bowel without Major or Multiple Resections
103	Wound Abdominal Cavity Open w/ Penetrating Perforating Wound of Liver Major Damage
104	Wound Abdominal Cavity Open w/h Penetrating Perforating Abdominal Wound With Lacerated Liver
105	Wound Abdominal Cavity Open w/h Penetrating Perforating Wound of Spleen
106	Wound Abdominal Cavity Open w/ Lacerated Penetrated Perforated Wound w/ Shattered Kidney
107	Wound Abdominal Cavity Open w/ Lacerated Penetrating Perforating Wound w/ Lacerated Kidney Initially Repaired but Subsequent Nephrectomy
108	Wound Abdominal Cavity Open w/ Lacerated Penetrating Perforating Wound w/ Shattered Bladder
109	Wound Abdominal Cavity Open w/Lacerated Penetrating Perforating Wound w/ Lacerated Bladder
110	Wound Buttocks Severe - Open Lacerated Penetrating Perforating and Avulsed
111	Wound Buttocks Moderate - Open Lacerated Contused and Abraded
112	Displaced Fracture of Pelvis Closed With Associated Soft Tissue Damage and Pelvic Organ Damage
113	Non-displaced Fracture of Pelvis Closed With Associated Soft Tissue Damage
114	Wound Abdomen Open w/ Pelvic Fracture and Penetrating Perforating Wounds to Multiple Pelvic Structures (male or Female)

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
115	Wound Abdomen Open w/ Pelvic Fracture and Penetrating Perforating Wounds to Pelvic Colon Only (male or Female)
116	Wound External Genitalia Male Severe - Lacerated Avulsed Crushed
117	Wound External Genitalia Male Moderate - Abraded and Contused
118	Wound External Genitalia Female Severe - Lacerated Avulsed Crushed
119	Wound External Genitalia Female Moderate - Abraded Contused
120	Fracture Closed Femur Shaft All Cases
121	Wound Thigh Open without Fracture Nerve or Vascular Injury Requiring Major Debridement
122	Wound Thigh Open without Fracture Nerve or Vascular Injury Not Requiring Major Debridement
123	Wound Thigh Open Lacerated Penetrating Perforating w/ Fracture and Nerve/vascular Injury Limb Not Salvageable
124	Wound Thigh Open Lacerated Penetrating Perforating w/ Fracture and Nerve and/or Vascular Injury Limb Salvageable
125	Wound Knee Open Lacerated Penetrating Perforating w/ Joint Space Penetration Shattered Knee
126	Wound Knee Open Lacerated Penetrating Perforating w/ Joint Space Penetration Articular Cartilage Damage No Bone Injury
127	Fracture Closed Tibia and Fibula Shaft All Cases
128	Wound Lower Leg Open Lacerated Penetrating Perforating without Fractures Requiring Major Debridement
129	Wound Lower Leg Open Lacerated Penetrating Perforating without Fractures Not Requiring Major Debridement
130	Wound Lower Leg Open Lacerated Penetrating Perforating w/ Fracture and Nerve/vascular Injury Limb Not Salvageable
131	Wound Lower Leg Open Lacerated Penetrating Perforating w/ Fracture and Nerve and/or Vascular Injury Limb Salvageable
132	Fracture Ankle/foot Closed Displaced Requiring Reduction
133	Fracture Ankle/foot Closed Nondisplaced Not Requiring Reduction
134	Wound Ankle Foot Toes Open Lacerated Contused without Fractures but Requiring Major Debridement
135	Wound Ankle Foot Toes Open Lacerated Contused without Fractures Not Requiring Major Debridement
136	Wound Ankle Foot Toes Open Penetrating Perforating w/ Fractures and Nerve/vascular Injury Limb Not Salvageable
137	Wound Ankle Foot Toes Open Penetrating Perforating w/ Fractures and Nerve and/or Vascular Injury Limb Salvageable
138	Crush Injury Lower Extremity Limb Not Salvageable
139	Crush Injury Lower Extremity Limb Salvageable
140	Dislocation Hip Closed Acute All Cases
141	Tear Ligaments Knee Acute Complete Rupture
142	Tear Ligaments Knee Acute Incomplete Rupture
143	Dislocation Toes Closed Acute All Cases
144	Amputation Foot Traumatic Complete All Cases
145	Amputation Below Knee Traumatic Complete All Cases
146	Amputation Traumatic Complete Requiring Hip Disarticulation
147	Amputation Above Knee Traumatic Complete
148	Sprain Ankle Closed Acute With Complete Ligament Rupture
149	Sprain Ankle Closed Acute Grade 2 Incomplete Ligament Rupture
150	Burn Thermal Superficial Lower Extremities and Genitalia Greater Than 30% but Less Than 40% of Total Body Area Involved
151	Burn Thermal Superficial Lower Extremity and Genitalia Greater Than 15% but Less Than 30% of Total Body Area Involved
152	Burn Thermal Partial Thickness Lower Extremities and Genitalia Greater Than 30% but Less Than 40% of Total Body Area Involved
153	Burn Thermal Partial Thickness Lower Extremity and Genitalia Greater Than 15% but Less Than 30% of Total Body Area Involved

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
154	Burn Thermal Full Thickness Lower Extremities and Genitalia Greater Than 30% but Less Than 40% of Total Body Area Involved
155	Burn Thermal Full Thickness Lower Extremity and Genitalia Greater Than 15% but Less Than 30% of Total Body Area Involved
156	Blisters Hand Fingers Foot Toes Due to Friction Acute Moderate - All Cases
157	Insect Bites and Stings (unspecified Body Area) w/ Systemic Symptoms and/or Respiratory Difficulty
158	Bites and Stings (unspecified Body Area) Moderate - Localized Symptoms
159	MIW Brain and Chest w/ Sucking Chest Wound and Pneumohemothorax
160	MIW Brain and Abdomen w/ Penetrating Perforating Wound Colon
161	MIW Brain and Abdomen w/ Penetrating Perforating Wound Kidney
162	MIW Brain and Abdomen w/ Penetrating Perforating Wound Bladder
163	MIW Brain and Abdomen w/ Shock and Penetrating Perforating Wound Spleen
164	MIW Brain and Abdomen w/ Shock and Penetrating Perforating Wound Liver
165	MIW Brain and Lower Limbs Requiring Bilateral Above Knee Amputations
166	MIW Chest w/ Pneumohemothorax and Abdomen w/ Penetrating Wound Colon
167	MIW Chest w/ Pneumohemothorax and Abdomen w/ Penetrating Perforating Wound Kidney
168	MIW Chest w/ Pneumohemothorax and Abdomen w/ Perforating Wound Bladder
169	MIW Chest w/ Pneumohemothorax and Abdomen w/ Penetrating Perforating Wound Spleen
170	MIW Chest w/ Pneumohemothorax and Abdomen w/ Penetrating Perforating Wound Liver
171	MIW Chest w/ Pneumohemothorax and Limbs w/ Fracture and Vascular Injury
172	MIW Abdomen w/ Penetrating Perforating Wound of Colon and Bladder
173	MIW Abdomen w/ Penetrating Perforating Wound of Colon and Spleen
174	MIW Abdomen w/ Penetrating Perforating Wound of Colon and Liver
175	MIW Abdomen and Limbs w/ Penetrating Perforating Wound of Colon and Open Fracture and Neurovascular Injury of Salvageable Lower Limb
176	MIW Abdomen and Pelvis w/ Penetrating Perforating Wound of Liver and Kidney
177	MIW Abdomen and Pelvis w/ Penetrating Perforating Wounds of Spleen and Bladder
178	MIW Abdomen Pelvis Limbs w/ Fracture and Neurovascular Injury Limb Salvageable and Penetrating Wound Kidney
179	MIW Abdomen Pelvis Limbs without Fracture or Neurovascular Injury and Penetrating Perforating Wound Bladder
180	MIW Abdomen and Lower Limbs w/ Fracture and Nerve Injury w/ Penetrating Wound of Spleen w/ Full Thickness Burns To Greater Than 20% of TBSA
181	MIW Abdomen and Limbs without Fracture or Nerve Injury w/ Penetrating Wound of Liver
182	MIW Chest w/ Pneumohemothorax Soft Tissue Injury to Upper Limbs and Penetrating Wound of Brain
183	MIW Chest w/ Pneumohemothorax Soft Tissue Injury to Upper Limbs and Abdomen w/ Wound Of Colon
184	MIW Chest w/ Pneumohemothorax Pelvis and Abdomen w/ Wound of Colon and Bladder
185	MIW Abdomen and Chest w/ Multiple Organ Damage
186	Multiple Nonperforating Fragment Wounds of Skin and Soft Tissue
187	Trench Foot Immersion Foot Severe - Vesicle Formation
188	Trench Foot Immersion Foot Moderate - No Vesicle Formation
190	Frostbite Full Skin Thickness or Deeper Involvement
191	Frostbite Less Than Full Skin Thickness
192	Hypothermia All Cases
193	Heat Stroke
194	Heat Exhaustion
195	Heat Cramps All Cases

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
196	Appendicitis Acute w/ Perforation Rupture Peritonitis
197	Appendicitis Acute without Perforation Rupture Peritonitis
198	Inguinal Hernia Complicated Direct or Indirect Sliding Incarceration of Bowel
199	Inguinal Hernia Uncomplicated Direct or Indirect No Sliding No Incarceration of Bowel or Bladder
200	Internal Derangement of Knee Chronic w/ Torn Meniscus and/or Ligament Laxity
201	Strain Lumbosacral Sacroiliac Joint Chronic All Cases
202	Eczema Dermatitis Seborrheic Contact Others Affecting Weight Bearing or Pressure Areas
203	Eczema Dermatitis Seborrheic Contact Others Not Affecting Weight Bearing Areas
204	Boils Furuncles Pyoderma Requiring Surgery
205	Boils Furuncles Pyoderma All Other Cases Calluses Corns Folliculitis Erythrasma
206	Cellulitis Involving Face or Weight Bearing Areas
207	Cellulitis Other Than Face or Weight Bearing Areas
208	Dermatophytosis Severe - Affecting Feet
209	Dermatophytosis All Other Cases (tineas/candidas/yeasts)
210	Pediculosis All Cases
211	Scabies All Cases
212	Pilonidal Cyst/abscess Requiring Major Excision
213	Cyst/abscess All cases Including Minor Incision
214	Ingrown Toenails Bilateral w/ Secondary Infections Unresolvable At Echelon 2
215	Ingrown Toenails without Secondary Infection
216	Herpes Simplex and Zoster without Encephalitis All Types Of Viral Dermatitis
219	Hyperhidrosis All Cases
220	Blepharitis All Cases
221	Conjunctivitis Severe - All Cases
222	Conjunctivitis Moderate - All Cases
223	Corneal Ulcer
224	Corneal Abrasion
225	Iridocyclitis Acute Marked Visual Impairment
226	Iridocyclitis Acute Minimal Visual Impairment
227	Refraction and Accommodation Disorders Refraction Required
228	Refraction and Accommodation Disorders Replacement of Spectacles Required
229	Otitis Externa All Cases
230	Otitis Media Acute Suppurative Including Eustachian Tubes
232	Infections Of The Nose & Paranasal Sinuses Including Viral Rhinitis
233	Upper Respiratory Infections Acute All Cases
234	Bronchitis Acute All Cases
235	Asthma With Disabling Symptoms or Repeated Attacks
236	Asthma Other Cases
239	Acute Respiratory Disease Severe
240	Acute Respiratory Disease Moderate
243	Food Poisoning All Organisms Disabling Symptoms
244	Food Poisoning All Organisms Moderate Symptoms
245	Diarrheal Disease Severe

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
246	Diarrheal Disease Moderate
247	Upper Gastrointestinal Hemorrhage, Gastritis or Ulcer
248	Gastritis Acute All Cases
249	Peptic Ulcer Gastric or Duodenal Penetrating and/or Perforating
250	Peptic Ulcer Gastric or Duodenal Uncomplicated
251	Regional Ileitis Disabling Symptoms Unresponsive To Treatment
252	Regional Ileitis Responds to Treatment
253	Helminthic Disease Including Trichinosis Ascariasis Giardiasis Tapeworm Hookworm Pinworm
255	Migraine All Cases
256	Hemorrhoidal Disease All Cases
258	Severe Hypertension
259	Ischemic Heart Disease
260	Phlebitis Deep Vein Involvement
262	Tenosynovitis Tendonitis Bursitis Epicondylitis
263	Meningo-encephalitis Uncomplicated
264	Meningo-encephalitis Complicated
265	Near Drowning without Cervical Spine Injury or Hypothermia All Cases
266	Toxic Inhalation Including Burn-related Respiratory Injuries Severe - All Cases
268	White Phosphorus Burns Resultant Partial Thickness Burns < 40% TBSA All Cases
269	Sexually Transmitted Disease, NSU, Macupurulent, Cervicitis, Tricomonas
270	Sexually Transmitted Disease, Genital Ulcers, Adenopathy, Cancroids, Genital Herpes Simplex, Lymphogranuloma, Venereuem, Syphilis
271	Sexually Transmitted Disease, Gonorrhea, Chlamydia, Septic Arthritis, Pid
272	Glomerulonephritis Acute
273	Glomerulonephritis Chronic
274	Pyelonephritis Acute Secondary To Obstruction
275	Pyelonephritis Acute No Obstruction
276	Nephrotic Syndrome/Renal Failure All Cases
277	Renal/ureteral Calculus Causing Obstruction Impacted
278	Renal/ureteral Calculus Not Causing Obstruction
279	Epididymitis, Cystitis, Prostatitis, Orchitis, Including Testicular Torsion, All Cases
280	Balanoposthitis All Cases
282	Infectious Mononucleosis All Cases
283	Hepatitis Infectious Viral All Cases
285	Cholecystitis Acute w/ Stones/cholecystitis All Cases
286	Pancreatitis Acute All Cases
287	Cirrhosis All Cases
289	Neoplasms Malignant
290	Neoplasms Benign
291	Abnormal Uterine Bleeding
292	Dysmenorrhea Amenorrhea
293	Pelvic Inflammatory Disease (pid) All Cases
294	Cervicitis Endocervicitis With Symptomatic Leucorrhea

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
295	Vulvovaginitis
297	Tubal Pregnancy All Cases
299	Abortion Spontaneous With Hemorrhage
301	Psychosis
302	Conduct Disorders
303	Non-psychotic Mental Disorders
304	Stress Reaction Severe Unstable Slow Improvement
305	Stress Reaction Severe Stable Slow Improvement
306	Alcohol Dependency Syndrome Moderate
307	Alcohol Misuse Simple Intoxication
308	Drug Dependency (other Than Alcohol) Severe
309	Drug Misuse (other Than Alcohol) Mild or Moderate
310	Stress Reaction Mild/moderate
311	Eye Wound Lacerated Penetrated w/ Retinal Injury Eye Salvageable
312	Wound Knee Open Lacerated Penetrating Perforating w/ Joint Space Penetration No Bone or Articular Cartilage Injury
313	Wound Abdominal Cavity Open w/ Lacerated Penetrating Perforating Wound Kidney Moderate - Kidney Salvageable
314	Stress Reaction Severe Unstable Delayed Improvement
315	Stress Reaction Severe Unstable Persisting
316	Alcohol Dependency Severe - Impending or Actual Dts
317	Drug Misuse (other Than Alcohol) Severe - Atypical No Dependency
318	Stress Reaction Severe - Rapid Improvement
319	Wound Fingers Open Lacerated Contused Crushed w/ Fracture(s) of Phalangeals Not Requiring Rehabilitation
320	Dislocation/subluxation Temporomandibular Joint without Fracture Chronic Requiring Correction
321	Dislocation/subluxation Temporomandibular Joint without Fracture Acute Initial Injury
322	Fracture Mandible with/without oral Laceration without Airway Involvement Unstable Severe Requiring Open Reduction
323	Fracture Mandible with/without oral Laceration without Airway Involvement Mild Displacement Stable
324	Stress Reaction Severe Stable - Delayed Improvement
325	Stress Reaction Severe Stable Persisting
328	Animal Bites and Rabies Exposure
329	Trachoma All Cases
330	Schistosomiasis All Cases
331	Malaria Severe - All Species
332	Malaria Moderate - All Species
333	Febrile Illness Acute Severe - Except Malaria and Pneumonia
334	Febrile Illness Acute Moderate
335	Snake Bite
339	Cutaneous Ulcers Including Leishmaniasis
346	Eye Wound Directed Energy Induced (laser) Severe of Macula and/or Optic Nerve, w/ Vitreous Blood, Severe Visual Lose, One or Both Eyes.
347	Eye Wound Directed Energy Induced (laser/rfr) Moderate to Severe, Posterior, Nonmacular, Nonoptic Nerve, Visual Loss Secondary to Vitreous Blood.
348	Eye Wound Directed Energy Induced (laser) Moderate Nonmacular, Nonoptic Nerve, No Vitreous Blood.
349	Eye Wound Directed Energy Induced (laser/rfr) Mild to Moderate, Anterior, Pain w/ Photophobia and Disruption of Corneal Integrity.

## Appendix A: Global Reach Laydown List of Patient Conditions and Preventive Medicine Objectives

PC Number	Patient Condition Description
350	Eye Wound Directed Energy Induced (laser/rfr) Mild Flash Blindness No Permanent Injury

PMO Number	Preventive Medicine Objective
950	Water Sanitation
951	Pest Control
952	Heat/Cold Injury Prevention
953	Communicable Disease Control
954	Food Sanitation
955	Common Area Sanitation
956	Berthing Sanitation
957	Waste Management
958	Conduct Training
959	Industrial Hygiene

Appendix B: Clinical and Preventive Medicine Task List

Task Number	Task Description
<b>Clinical</b>	
001	TRIAGE
002	ASSESSMENT AND EVALUATION OF PATIENT STATUS
005	REMOVE AND COLLECT BELONGINGS, VALUABLES AND EQUIPMENT
006	ESTABLISH ADEQUATE AIRWAY (ORO/NASO PHARYNGEAL ONLY)
007	EMERGENCY CRICOTHYROIDOTOMY
010	NEUROLOGICAL ASSESSMENT
011	STABILIZE SPINE (COLLAR/SPINE BOARD)
017	SUCTION (ORAL/TRACH/ENDO)
019	EMERGENCY CONTROL OF HEMORRHAGE
022	O2 ADMINISTRATION SETUP
023	O2 ADMINISTRATION CONTINUOUS (NASAL/MASK)
024	VITAL SIGNS
032	SET-UP PULSE OXIMETER
044	SETUP DRAINAGE BOTTLES/PLEUREVAC
046	MAINTAIN CHEST TUBE SUCTION
049	START/CHANGE IV INFUSION SITE
050	ADMINISTER IV FLUID
063	VENOUS CUTDOWN
070	BOWEL SOUNDS ASSESS
071	INSERT NG/OG TUBE
073	PERFORM NG/OG SUCTION
075	IRRIGATE NG/OG TUBE
076	GASTRIC LAVAGE
079	CATHETERIZATION, FOLEY
082	MEASURE/RECORD INTAKE/OUTPUT
084	SHAVE AND PREP
085	WOUND IRRIGATION
086	CLEAN AND DRESS WOUND
091	APPLY ICE/HOT PACKS
092	APPLY ACE BANDAGE
093	EXTREMITY ELEVATION
096	APPLY SLING
098	APPLY SPLINT/IMMOBILIZE INJURY
103	CIRCULATION CHECK
108	MINOR SURGICAL PROCEDURE (DEBRIDE/SUTURE/INCISION)
110	TEST VISION
121	EYE IRRIGATION
123	EYE CARE (DRESSINGS/EYE PATCH)
124	EAR CARE IRRIGATION
125	SPONGE/HYPERTHERMIA TREATMENT
126	SEIZURE CARE/PRECAUTIONS
127	PATIENT RESTRAINT (GAUZE, TIES)
142	ORDER AND DOCUMENT APPROPRIATE MEDS/TREATMENT
145	ADMINISTER APPROPRIATE MEDICATION
151	GYNECOLOGICAL EXAMINATION
204	PROVIDE PATIENT SAFETY SPECIAL WATCH
221	PERICARDIOCENTESIS
245	URINE TESTING
247	PLACE IN RESPIRATORY ISOLATION
248	FORCE FLUIDS
278	ARRANGE FOR PATIENT EVACUATION
279	ARRANGE AND DOCUMENT RETURN TO DUTY
359	INDUCE LOCAL ANESTHESIA
453	CLOSED REDUCTION OF DISLOCATION
740	REDUCE DISLOCATION
748	ASSEMBLE MATERIAL/CLEAN UP
802	INITIAL/SUBSEQUENT NON-SURG DEBRIDE OF BURN/OPEN WOUND

Appendix B: Clinical and Preventive Medicine Task List

Task Number	Task Description
999	MORGUE CARE
A6	APPLY TOURNIQUET
A30	WET/COLD INJURY THERAPY
D2940	SEDATIVE FILLING
Z014	INTUBATION
Z027	CARDIO ARREST RESUSCITATION
Z037	BAG VALVE MASK SETUP
Z039	PERFORM VENTILATION WITH BAG VALVE MASK
Z042	INSERT CHEST TUBE
Z083	EXPOSE PATIENT FOR EXAM
Z094	EXTREMITY TRACTION, APPLICATION/ADJUST
ZZ02	STAIN EYES (FLOURESCIN STAIN/WOODS UV LAMP)
ZZ03	NEEDLE THOROCOSTOMY
ZZ42	ACTIVE PATIENT REWARMING (CHILLBUSTER OR SIMILAR)
<b>Preventive Medicine</b>	
Z499	EVALUATE POTENTIAL POTABLE WATER SOURCES
Z500	SELECT POTABLE WATER SOURCE SITE
Z504	OBTAIN WATER SAMPLE/CONDUCT pH TESTING
Z505	OBTAIN WATER SAMPLE/CONDUCT CHLORINE TESTING
Z506	OBTAIN WATER/ICE SAMPLE/CONDUCT BACTERIOLOGICAL TESTING
Z508	CHEMICAL AGENT WATER TESTING (NERVE, MUSTARD, CYANIDE, LEWISITE)
Z541	CONDUCT VECTOR BORNE DISEASE ASSESSMENT
Z548	CONDUCT PEST AND VECTOR IDENTIFICATION
Z580	MONITOR HEAT STRESS CONDITIONS
Z600	SCREEN TREATMENT LOGS FOR INFECTIOUS DISEASE CASES
Z601	COMPILE/REPORT INFECTIOUS DISEASE STATISTICS
Z607	CONDUCT FOOD BORNE ILLNESS INVESTIGATION
Z611	DISPENSE STD PROPHYLAXIS/CONTRACEPTIVE
Z612	ADMINISTER VACCINE
Z640	SELECT SITE OF MESSING & FOOD STORAGE AREAS & DETE
Z642	CONDUCT INSPECTIONS OF MESSING & FOOD STORAGE AREAS
Z644	EVALUATE FOOD SOURCING AND TRANSPORT
Z660	MAKE RECOMMENDATIONS FOR CAMP SETUP
Z661	CONDUCT INSPECTIONS OF COMMON USE AREAS
Z662	CONDUCT INSPECTIONS OF LAUNDRY/SHOWER SERVICES
Z663	CONDUCT INSPECTIONS OF LATRINES / HANDWASHING SITE
Z680	SELECT BERTHING SITE
Z681	CONDUCT INSPECTIONS OF BERTHING AREAS
Z700	ASSIST IN SELECTION OF WASTE DISPOSAL SITES
Z701	CONDUCT INSPECTIONS OF WASTE DISPOSAL SITES
Z790	DOCUMENT/REPORT INSPECTION RESULTS
Z791	MAKE RECOMMENDATIONS/TROUBLESHOOT DISCREPANCIES
Z910	GATHER & ANALYZE INTEL DATA ON SURVEY AREA
Z911	CONDUCT VISUAL SITE INSPECTION AND RECORD RESULTS
Z912	DEVELOP SITE SAMPLING PLAN
Z913	MAP OUT SITE INSPECTION GRID
Z914	LABEL & RECORD SAMPLE CONTAINER
Z918	COLLECT & INTERPRET AMBIENT AIR SAMPLE
Z924	COLLECT SOIL SAMPLE/CONDUCT TEST
Z926	CONDUCT RADIOLOGICAL SAMPLING/MONITORING
Z930	ASSESSMENT OF HAZARDOUS WASTE

## Appendix C: GR1 Patient Stream

PC	PC DESCRIPTION	Number of Patients
233	Upper Respiratory Infections Acute All Cases	12
246	Diarrheal Disease Moderate	6
058	Wound Hand and/or Fingers Open Lacerated Without Fractures Moderate - No Tendon Involvement or Limited to Sublimis Tendon Involvement	3
203	Eczema Dermatitis Seborrheic Contact Others Not Affecting Weight Bearing Areas	3
206	Cellulitis Involving Face or Weight Bearing Areas	3
207	Cellulitis Other Than Face or Weight Bearing Areas	3
209	Dermatophytosis All Other Cases (tineas/candidas/yeasts)	3
234	Bronchitis Acute All Cases	3
334	Febrile Illness Acute Moderate	3
149	Sprain Ankle Closed Acute Grade 2 Incomplete Ligament Rupture	2
240	Acute Respiratory Disease Moderate	2
244	Food Poisoning All Organisms Moderate Symptoms	2
256	Hemorrhoidal Disease All Cases	2
279	Epididymitis, Cystitis, Prostatitis, Orchitis, Including Testicular Torsion, All Cases	2
002	Cerebral Concussion Closed w/without Nondepressed Linear Skull Fracture Moderate - Loss of Consciousness < 2 Hours	1
014	Wound Scalp Open without Cerebral Injury or Skull Fracture Moderate - Scalp Laceration	1
020	Wound Face and Neck Open Lacerated Contused Without Fractures Moderate - without Airway Obstruction or Major Vessel Involvement	1
052	Wound Forearm Open Lacerated Penetrating without Bone Nerve or Vascular Injury Moderate - Not Requiring Major Debridement	1
055	Fracture Hand or Fingers Closed Severe - Requiring Open Reduction	1
064	Dislocation Shoulder Closed All Cases	1
127	Fracture Closed Tibia and Fibula Shaft All Cases	1
129	Wound Lower Leg Open Lacerated Penetrating Perforating without Fractures Not Requiring Major Debridement	1
132	Fracture Ankle/foot Closed Displaced Requiring Reduction	1
135	Wound Ankle Foot Toes Open Lacerated Contused without Fractures Not Requiring Major Debridement	1
141	Tear Ligaments Knee Acute Complete Rupture	1
142	Tear Ligaments Knee Acute Incomplete Rupture	1
188	Trench Foot Immersion Foot Moderate - No Vesicle Formation	1
197	Appendicitis Acute without Perforation Rupture Peritonitis	1
199	Inguinal Hernia Uncomplicated Direct or Indirect No Sliding No Incarceration of Bowel or Bladder	1
200	Internal Derangement Of Knee Chronic With Torn Meniscus and/or Ligament Laxity	1
202	Eczema Dermatitis Seborrheic Contact Others Affecting Weight Bearing or Pressure Areas	1

Appendix C: GR1 Patient Stream

PC	PC DESCRIPTION	Number of Patients
232	Infections of the Nose & Paranasal Sinuses Including Viral Rhinitis	1
239	Acute Respiratory Disease Severe	1
245	Diarrheal Disease Severe	1
253	Helminthic Disease Including Trichinosis Ascariasis Giardiasis Tapeworm Hookworm Pinworm	1
258	Severe Hypertension	1
275	Pyelonephritis Acute No Obstruction	1
278	Renal/ureteral Calculus Not Causing Obstruction	1
290	Neoplasms Benign	1
292	Dysmenorrhea Amenorrhea	1
302	Conduct Disorders	1
303	Non-psychotic Mental Disorders	1
310	Stress Reaction Mild/moderate	1
318	Stress Reaction Severe - Rapid Improvement	1
332	Malaria Moderate - All Species	1
333	Febrile Illness Acute Severe - Except Malaria And Pneumonia	1
339	Cutaneous Ulcers Including Leishmaniasis	1
	<b>Patient Stream Total</b>	<b>82</b>

# Appendix D: Preventive Medicine Task Frequency Matrix

TASK	DAILY	WEEKLY	ONCE	NUMBER OF SITES
EVALUATE POTENTIAL POTABLE WATER SOURCES			1	2
OBTAIN WATER SAMPLE/CONDUCT pH TESTING	1			2
OBTAIN WATER SAMPLE/CONDUCT CHLORINE TESTING	1			2
OBTAIN WATER/ICE SAMPLE/CONDUCT BACTERIOLOGICAL TESTING		13*		4*
CHEMICAL AGENT WATER TESTING (NERVE, MUSTARD, CYANIDE, LEWISITE)			2	2
CONDUCT VECTOR BORNE DISEASE ASSESSMENT		1		1
CONDUCT PEST AND VECTOR IDENTIFICATION		1		1
MONITOR HEAT STRESS CONDITIONS	10			1
SCREEN TREATMENT LOGS FOR INFECTIOUS DISEASE CASES	1			1
CONDUCT FOOD BORNE ILLNESS INVESTIGATION			1**	1**
DISPENSE STD PROPHYLAXIS/CONTRACEPTIVE	1**			1**
SELECT SITE OF MESSING & FOOD STORAGE AREAS			1	1
CONDUCT INSPECTIONS OF MESSING & FOOD STORAGE AREAS	1			
EVALUATE FOOD SOURCING AND TRANSPORT			1**	1**
MAKE RECOMMENDATIONS FOR CAMP SETUP			1	2
CONDUCT INSPECTIONS OF COMMON USE AREAS	1			1
CONDUCT INSPECTIONS OF LAUNDRY/SHOWER SERVICES	1			1
CONDUCT INSPECTIONS OF LATRINES / HANDWASHING SITE	1			1
SELECT BERTHING SITE			1	1
CONDUCT INSPECTIONS OF BERTHING AREAS		1		1
ASSIST IN SELECTION OF WASTE DISPOSAL SITES			1	2
CONDUCT INSPECTIONS OF WASTE DISPOSAL SITES		1		2
DOCUMENT/REPORT INSPECTION RESULTS		1		2
MAKE RECOMMENDATIONS/TROUBLESHOOT DISCREPANCIES	1**			1**
GATHER & ANALYSE INTEL DATA ON SURVEY AREA			1	2
CONDUCT VISUAL SITE INSPECTION AND RECORD RESULTS			1	2
DEVELOP SITE SAMPLING PLAN			1	2
MAP OUT SITE INSPECTION GRID			1	2
LABEL & RECORD SAMPLE CONTAINER			1	50
COLLECT & INTERPRET AMBIENT AIR SAMPLE			10	2
COLLECT SOIL SAMPLE/CONDUCT TEST			8	2
CONDUCT RADIOLOGICAL SAMPLING/MONITORING			18	2
ASSESSMENT OF HAZARDOUS WASTE			1	10

\* Includes bottled water sampling; with a shipment of 1,000 bottles/week, 10 samples are taken. The four sites are two potable water sources (one sample each), the bottled water storage area (10 samples), and any ice shipments (one sample).

\* Tasks performed on an “as needed” basis.

Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
<b>EQUIPMENT</b>											
A	5140004736256	BAG TOOL SATCHEL	EA	1	1	1.240	0.160	\$17.67	1.240	0.160	\$17.67
A	6150011761801	CABLE ASSEMBLY ELECTRICAL 125V AC 25FT	EA	2	2	0.200	0.250	\$37.20	0.200	0.250	\$37.20
C	7420013697117	CALCULATOR ELECTRONIC	EA	1	0	0.220	0.008	\$96.60	0.000	0.000	\$0.00
A	6720NCM010143	CARRYING CASE FOR DIGITAL CAMERA	EA	1	1	1.000	0.250	\$50.00	1.000	0.250	\$50.00
A	5895015079409	CASE ELECTRONIC EQUIP NYLON F/ NAVIGATOR 76 GPS	EA	1	1	0.030	0.030	\$13.50	0.030	0.030	\$13.50
A	8145NCM041047	CASE HARDIGG	EA	2	2	20.000	0.000	\$1,644.00	20.000	0.000	\$1,644.00
A	6545015338207	CASE MED INST & SUPPLY SET #3 8 DRAWERS	EA	2	2	100.000	11.490	\$8,235.82	100.000	11.490	\$8,235.82
A	6545015085608	CASE MED INST & SUPPLY 32.75X21X26IN PLAST	EA	4	4	148.000	40.000	\$2,766.00	148.000	40.000	\$2,766.00
A	6545014995676	CASE MED INST & SUPPLY 3.75X21X13.5IN PLAST	EA	2	2	80.000	13.852	\$1,434.00	80.000	13.852	\$1,434.00
A	6515014776093	CASE NARC 10.75INX 9.75X5.0IN 50 LBS LOAD	EA	1	1	0.800	0.690	\$66.95	0.800	0.690	\$66.95
A	6545015118286	CASE TRAUMA PARAMEDIC BLACK 5X12X14	EA	3	3	0.570	0.570	\$451.17	0.570	0.570	\$451.17
A	7105014620602	CHAIR FOLDING W/PADDED BACK/SEAT/ CARRY BAG	EA	4	4	26.000	11.200	\$79.96	26.000	11.200	\$79.96

A = Quantity Unchanged

B = Quantity Decreased

C = Delete Without Replacement

D = Delete With Replacement

E = Quantity Increased

F = New Item, Replacement

G = New Item, New Component

Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
G	6540014571831	CHART VISION ACUITY TESTING	SE	0	1	0.000	0.000	\$0.00	0.100	0.040	\$56.25
A	7520002815918	CLIP BOARD FILE 9X12.5IN	EA	3	3	1.143	0.198	\$5.19	1.143	0.198	\$5.19
A	6630010273914	COMPARATOR COLOR: HYDROGEN ION AND RESIDUAL CHLORINE	EA	1	1	3.500	22.222	\$178.50	3.500	22.222	\$178.50
A	6520010056888	CURETTE PERIODONTAL GRACEY 13&14 6.250IN DBLE-ENDED	EA	1	1	0.130	0.002	\$19.70	0.130	0.002	\$19.70
C	6665015210469	DETECTOR KIT GAS W/SPARE PARTS CASE 15-1/2X12-1/4X7-1/2IN	KT	1	0	8.250	0.550	\$3,587.25	0.000	0.000	\$0.00
A	6720NCM990811	DIGITAL CAMERA	EA	1	1	1.000	0.100	\$900.00	1.000	0.100	\$900.00
A	6520005281000	EXPLORER DENTAL CRES #23 5.875-6.125IN	EA	2	2	0.140	0.006	\$16.64	0.140	0.006	\$16.64
A	7310014541281	EXTENSION CORD MBU 110V AC 50 FT 12 GA	EA	2	2	12.000	0.264	\$185.84	12.000	0.264	\$185.84
A	7025NCM041046	FLASH PEN USB	EA	4	4	1.000	0.040	\$180.00	1.000	0.040	\$180.00
A	6230014535688	FLASHLIGHT 2.25 VOLT DC LAMP RATING	PG	1	1	0.350	0.007	\$13.13	0.350	0.007	\$13.13
A	5995NCM071974	FOR USE WITH IRIIDIUM PORTABLE SECURE PHONE, MODEL 9505/9505A	EA	1	1	1.000	0.250	\$75.00	1.000	0.250	\$75.00
A	4240001906432	GOGGLES INDUSTRIAL PLAS LENS FRAME	PR	3	3	3.000	3.000	\$4.74	3.000	3.000	\$4.74
A	5120008925485	HAMMER NAILING CURVED CLAW	EA	1	1	1.000	0.100	\$15.28	1.000	0.100	\$15.28

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	6515003406700	HAMMER REFLEX TAYLOR LARGE 8INX .75 TRIANGULAR	EA	1	1	0.170	0.009	\$3.30	0.170	0.009	\$3.30
A	5995NCM071972	INCLS: 8-METER CABLE W/CONNECTORS, 1.5-METER INSIDE CABLE W/CONN	EA	1	1	2.000	0.250	\$184.00	2.000	0.250	\$184.00
A	6515015213074	INJECTOR TUBE W/PLUNGER ROD 1ML & MED NDL CART 1S	EA	2	2	0.040	0.060	\$63.06	0.040	0.060	\$63.06
A	5820NCM071413	IRIDIUM MODEL 9505A INCL: (0023AN) RECHARGEABLE LI ION BATTERY	EA	1	1	5.000	1.000	\$1,465.00	5.000	1.000	\$1,465.00
A	7035NCM010065	LAPTOP SHIPPING/STORAGE CASE	EA	2	2	8.000	1.000	\$312.00	8.000	1.000	\$312.00
A	6515006165052	LARYNGOSCOPE MACINTOSH INFANT/CHILD/ADL 4 DET BLADES	EA	1	1	3.000	0.093	\$41.45	3.000	0.093	\$41.45
A	6530014515144	LIGHT ULTRAVIOLET SPECIMEN EXAMINING BATTERY POWER 4 WATT	EA	1	1	0.010	0.001	\$45.00	0.010	0.001	\$45.00
A	6530014325114	LITTER DECON MASS CASUALTY 1.5IN HEAVY GAUGE ALUMINUM	EA	2	2	28.500	3.387	\$834.00	28.500	3.387	\$834.00
A	6650015217463	MICROSCOPE OPTICAL POCKET 100X MAG	EA	1	1	3.000	0.550	\$376.95	3.000	0.550	\$376.95
A	1670009694103	NET CARGO TIE DOWN	EA	1	1	20.000	5.000	\$107.47	20.000	5.000	\$107.47
A	1670009962780	NET CARGO TIE DOWN	EA	2	2	40.000	10.000	\$180.68	40.000	10.000	\$180.68
A	6515001656544	OTO/OPHTHALMOSCOPE SET DELUXE	SE	2	2	2.640	3.241	\$953.34	2.640	3.241	\$953.34
A	6515014189022	OXIMETER PULSE HAND-HELD BATTERY POWERED (NON-RECHARGEABLE)	EA	1	1	0.625	0.010	\$921.75	0.625	0.010	\$921.75

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	1670008204896	PALLET CARGO METAL AND WOOD 108X88IN	EA	1	1	200.000	70.000	\$856.96	200.000	70.000	\$856.96
A	7520002271451	PENCIL SHARPENING MACHINE	EA	2	2	0.048	0.002	\$1.32	0.048	0.002	\$1.32
A	8315007877000	PIN SAFETY BRASS NICKEL 2IN SZ 3	BX	1	1	0.190	0.005	\$24.70	0.190	0.005	\$24.70
A	5985NCM071414	PIPE MOUNT FOR USE WITH IRIIDIUM PORTABLE SATELLITE PHONE MODEL	EA	1	1	5.000	0.250	\$216.00	5.000	0.250	\$216.00
A	5120002241567	PLIERS SLIP JOINT 6.0IN STR THIN NOSE	EA	1	1	0.060	0.003	\$5.50	0.060	0.003	\$5.50
A	6520005365350	PLUGGER PLAS FILLING DENTAL CRES OR BRASS WOODSON #1 7IN	EA	1	1	0.070	0.296	\$17.24	0.070	0.296	\$17.24
A	6520005365405	PLUGGER PLAS FILLING DENTAL CRES OR BRASS WOODSON #2 7IN	EA	1	1	0.080	0.009	\$8.85	0.080	0.009	\$8.85
G	6530014357340	POLE IV FLUID DECON LITTER 18IN	EA	0	1	0.000	0.000	\$0.00	2.000	0.040	\$46.80
A	7035NCM010072	PORTABLE PRINTER	EA	2	2	10.000	1.000	\$740.00	10.000	1.000	\$740.00
A	7025NCM990010	PRINTER COMPUTER CABLE	EA	2	2	2.000	0.020	\$40.00	2.000	0.020	\$40.00
A	6665013204712	RADIAC SET	EA	1	1	2.200	0.200	\$5,200.00	2.200	0.200	\$5,200.00
A	5825015089698	RECEIVER RADIO NAVIGATION HANDHELD PORTABLE	EA	1	1	1.500	0.120	\$470.39	1.500	0.120	\$470.39
A	6680012346789	REGULATOR OXYGEN PRESSURE W/FLOW CONTROLLER	EA	2	2	4.000	0.188	\$257.04	4.000	0.188	\$257.04

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
G	6530007884010	RESTRAINT SET WRIST & ANKLE W/CARRYING CASE	EA	0	1	0.000	0.000	\$0.00	2.890	0.150	\$102.17
A	6515012476600	RESUSCITATOR HAND OPERATED ADULT/CHILD WITH CARRYING CASE	EA	2	2	3.900	0.648	\$705.60	3.900	0.648	\$705.60
A	6515014776134	ROLL PACK COMFORT ORGANIZE PROTECTS & TRANS PATIENT COMFORT ITEM	EA	2	2	2.400	3.600	\$749.58	2.400	3.600	\$749.58
A	4020009900988	ROPE FIBROUS NYLON 550 100FT	RO	1	1	0.150	0.010	\$0.18	0.150	0.010	\$0.18
A	7035NCM071336	RUGGEDIZED 2MB L2 CACHE PROCESSOR SPEED 2.0GHZ 667 MHZ FSB I	EA	2	2	14.000	0.500	\$8,000.00	14.000	0.500	\$8,000.00
A	6515003634100	SAW FINGER RING .75INBLADE DIA 6IN 0.1875IN ARBOR HOLE DIAMETER	EA	1	1	0.150	0.001	\$79.47	0.150	0.001	\$79.47
A	6515009357138	SCISSORS BANDAGE 7.25IN 1.50IN CUT BLUNT	EA	6	6	0.600	0.072	\$76.74	0.600	0.072	\$76.74
A	6640015123590	SCOOP LAB PLAS STER FLAT BOTTOM 7.5IN HOLDS 2OZ 100S	EA	10	10	22.500	2.500	\$6.40	22.500	2.500	\$6.40
A	5810NCM071973	SECURE MODULE	EA	1	1	5.000	0.120	\$2,270.00	5.000	0.120	\$2,270.00
A	8145015409697	SHIPPING AND STORAGE CONTAINER MISC EQUIP	EA	1	1	0.000	0.000	\$148.00	0.000	0.000	\$148.00
A	5810NCM071975	SIM CARD EMSS	EA	1	1	0.050	0.010	\$20.00	0.050	0.010	\$20.00
A	6515010394884	SPHYGMOMANOMETER ANEROID 300MM W/CLIP FOR CUFF	EA	2	2	1.920	0.096	\$31.50	1.920	0.096	\$31.50
A	6530014993504	SPINEBOARD PORTABLE PLAS 2HANDLES AT TAPERED END HOLDS 600 LBS	EA	1	1	16.000	1.150	\$157.08	16.000	1.150	\$157.08

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	7520001396170	STAPLER PAPER FASTENING	EA	1	1	1.500	0.250	\$6.42	1.500	0.250	\$6.42
A	7510002729662	STAPLES PAPER FASTENING 5000S	BX	1	1	0.430	0.020	\$0.80	0.430	0.020	\$0.80
A	6515009354088	STETHOSCOPE ADL SZ 24IN LG TWO POSN VALVE BRASS/ALUM/ZINC/CRS/CS	EA	2	2	1.400	0.600	\$54.16	1.400	0.600	\$54.16
A	6530015366294	STRAP BACKBOARD	EA	3	3	1.050	0.330	\$111.00	1.050	0.330	\$111.00
G	6515014350050	SUCTION APPARATUS SURGICAL PORTABLE	EA	0	1	0.000	0.000	\$0.00	5.000	0.500	\$3,840.96
A	6515014524435	SUPPORT CERVICAL ADJUSTABLE ADULT 16 SETTINGS 2 SAFETY BUTTONS	EA	2	2	0.600	0.458	\$17.40	0.600	0.458	\$17.40
A	6530006600034	SUPPORT LITTER FOLDING LIGHTWGT 31.5IN	PR	2	2	27.500	2.000	\$252.72	27.500	2.000	\$252.72
A	5920014959613	SURGE SUPPRESSOR THREE LINE 6FT CORD	EA	2	2	1.100	0.240	\$85.50	1.100	0.240	\$85.50
A	8340013277685	TABLE FOLDING TENT	EA	2	2	10.000	0.250	\$591.90	10.000	0.250	\$591.90
A	5210005279429	TAPE MEASURE STEEL CENTIMETERS AND METERS: FEET 100FT HANDCRANK	EA	1	1	0.550	0.220	\$22.79	0.550	0.220	\$22.79
F	6515014995906	THERMOMETER CLIN ORAL/RECTAL DIGITAL	EA	0	1	0.000	0.000	\$0.00	0.080	0.080	\$6.99
G	6685004446500	THERMOMETER SELF INDICATING BIMETALLIC 0-220F	EA	0	1	0.000	0.000	\$0.00	0.150	0.007	\$2.50
A	1670007251437	TIE DOWN CARGO AIRCRAFT	EA	2	2	2.000	2.000	\$34.00	2.000	2.000	\$34.00

A = Quantity Unchanged

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C = Delete Without Replacement

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E = Quantity Increased

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
G	6515015217976	TOURNIQUET COMBAT APPLICATION ONE-HANDED	EA	0	1	0.000	0.000	\$0.00	0.150	0.010	\$34.97
A	6515014615798	TOURNIQUET NONPNEUMATIC	PG	1	1	0.392	0.015	\$8.76	0.392	0.015	\$8.76
A	6515013469186	TRACTION APPARATUS F/IMMOBILIZATION OF FEMORAL FRACTURE	EA	1	1	1.030	0.087	\$117.00	1.030	0.087	\$117.00
A	3740011060091	TRAP MOSQUITO LIGHT BATTERY POWERED	EA	2	2	9.000	113.400	\$400.00	9.000	113.400	\$400.00
A	6130NCM990441	TRAVEL VOLTAGE CONVERTER	EA	2	2	2.000	0.020	\$30.00	2.000	0.020	\$30.00
A	3920NCM000283	TRUCK HAND	EA	1	1	10.000	2.000	\$290.00	10.000	2.000	\$290.00
G	6530010422485	URINAL MALE PATIENT PLAS DISP 50S	EA	0	2	0.000	0.000	\$0.00	0.500	0.260	\$1.04
A	6665013813023	WET BULB GLOBE TEMPERATURE KIT F/USE IN OUTDOOR AREAS	EA	1	1	4.060	0.417	\$169.12	4.060	0.417	\$169.12
A	5120002643796	WRENCH ADJUSTABLE STEEL/CHROMIUM 12IN OVERALL LENGTH	EA	1	1	1.580	0.028	\$20.21	1.580	0.028	\$20.21
A	5120000974136	WRENCH BOX ALL ALUMINUM 4.937IN END HAS TWO .25IN SLOTS	EA	1	1	0.100	0.002	\$18.00	0.100	0.002	\$18.00
<b>MEDICATION</b>											
A	6505014824477	ACETAMINOPHEN TABS 1000S	BT	1	1	0.750	0.005	\$10.16	0.750	0.005	\$10.16
A	6505012069246	ACYCLOVIR 200MG CAP 100S	BT	1	1	0.040	0.024	\$158.81	0.040	0.024	\$158.81

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6505014731770	ALUMINUM MAGNESIUM TABS 100S	BT	2	1	0.520	0.018	\$6.04	0.260	0.009	\$3.02
E	6505012036259	AMOXICILLIN AND POTASSIUM CLAVULANATE 30 TABS	BT	2	3	0.260	0.020	\$199.86	0.390	0.030	\$299.79
A	6505011151474	AMOXICILLIN 500MG CAP 100	BT	2	2	0.400	0.400	\$108.18	0.400	0.400	\$108.18
B	6505001009985	ASPIRIN .324GM TAB 100S	BT	2	1	0.280	0.020	\$15.40	0.140	0.010	\$7.70
A	6505014491635	AZITHROMYCIN 250MG TAB 30S	BT	5	5	2.500	0.017	\$891.30	2.500	0.017	\$891.30
E	6505001596625	BACITRACIN OINT 7100 UNITS 0.5OZ TUBE	TU	10	15	1.300	11.574	\$20.40	1.950	17.361	\$30.60
B	6505013766540	BENZONATATE 100MG CAP 500S	BT	2	1	0.400	0.052	\$693.46	0.200	0.026	\$346.73
E	6505012448010	BISMUTH SUBSALICYLATE 262MG TAB 42S	PG	10	12	1.300	0.069	\$69.80	1.560	0.083	\$83.76
B	6505014917541	BROMPHENIRAMINE MALEATE &PSEUDOEPHEDRINE HCL EX-REL CAPS 100S	BT	3	1	1.650	0.360	\$42.30	0.550	0.120	\$14.10
E	6505014802501	CEFAZOLIN INJ 1GM VI 25S	VI	5	7	0.200	0.006	\$0.35	0.280	0.009	\$0.49
E	6505012192760	CEFTRIAXONE SOD STER 1GM VI 10S	VI	6	9	0.418	0.900	\$2.00	0.627	1.350	\$3.01
E	6505012277028	CEFTRIAXONE SOD STER 250MG VI 10S	VI	6	8	0.348	0.012	\$1.54	0.464	0.016	\$2.05
B	6505012593891	CEPHALEXIN 250MG 500 CAPS	BT	2	1	1.000	0.060	\$77.80	0.500	0.030	\$38.90

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F = New Item, Replacement

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
E	6505015335978	CETYLPYRIDINIUM CHL THROAT LOZENGES 5.4MG CHERRY 18S	PG	10	12	0.100	0.100	\$48.20	0.120	0.120	\$57.84
A	6505002998610	CHLORPHENIRAMINE MALEATE 4MG TAB 1000S	BT	1	1	1.290	0.035	\$4.82	1.290	0.035	\$4.82
A	6505013235255	CIMETIDINE 400MG TAB 500	BT	1	1	2.500	2.500	\$34.53	2.500	2.500	\$34.53
B	6505013334154	CIPROFLOXACIN 500MG TAB 100S	BT	6	2	2.460	0.112	\$2,520.66	0.820	0.037	\$840.22
B	6505015323362	CIPROFLOXACIN CHL DEXAMETHASONE OTIC SUSP 7.5ML	BT	10	2	2.500	0.035	\$767.60	0.500	0.007	\$153.52
B	6505013519272	CIPROFLOXACIN HCL OPHTHALMIC SOL 5ML	BT	10	2	0.500	0.035	\$459.80	0.100	0.007	\$91.96
A	6505015274077	CODEINE PHOSPHATE AND ACETAMINOPHEN TAB 30/300MG 100S	BT	3	3	0.300	0.059	\$120.24	0.300	0.059	\$120.24
A	6505010628010	CYCLOBENZAPRINE CHL 10MG TAB 100	BT	1	1	0.160	0.002	\$139.17	0.160	0.002	\$139.17
A	6505002999666	CYCLOPENTOLATE CHL OPHT SOL 1% 15ML	BT	1	1	0.060	0.003	\$1.10	0.060	0.003	\$1.10
B	6505014926420	DEXAMETHASONE SODIUM	VI	5	1	0.050	0.001	\$0.25	0.010	0.000	\$0.05
A	6505014437072	DEXTROSE INJ 50ML SYR-NDL UNIT 10S	EA	2	2	0.726	0.045	\$0.37	0.726	0.045	\$0.37
E	6505012303130	DIAZEPAM 5MG TAB 100S	BT	1	8	0.255	0.004	\$1.50	2.040	0.031	\$12.00
A	6505015053476	DIAZEPAM INJ 5MG/ML 2ML CARTRIDGE-NDL 10S	PG	1	1	0.200	0.010	\$19.85	0.200	0.010	\$19.85

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	6505005824867	DIPHENHYDRAMINE HCL 25MG CAP 1000S	BT	1	1	1.630	0.054	\$13.46	1.630	0.054	\$13.46
A	6505001637656	DOCUSATE SODIUM 100MG CAP 100S	PG	2	2	1.000	7.625	\$7.56	1.000	7.625	\$7.56
B	6505000095063	DOXYCYCLINE HYCLATE 100MG CAP 500S	BT	4	1	3.680	0.232	\$173.04	0.920	0.058	\$43.26
B	6505011527626	EPINEPHRINE INJ 1:1000 AUTOMATIC 0.3ML	EA	4	1	0.480	0.036	\$245.76	0.120	0.009	\$61.44
B	6505009820288	ERYTHROMYCIN OPHT OINT 5MG/GM 3.5GM TU	TU	10	1	0.200	0.019	\$15.10	0.020	0.002	\$1.51
A	6505010835988	ERYTHROMYCIN STEARATE 250MG TAB 100S	BT	2	2	0.540	0.020	\$14.34	0.540	0.020	\$14.34
B	6505013953039	FLUCONAZOLE TAB 150MG 12S	PG	2	1	0.400	0.065	\$386.08	0.200	0.033	\$193.04
B	6505014107226	FLUTICASONE PROPIONATE NASAL SPRAY 16GM 120 ACTUATIONS	EA	4	1	0.800	0.014	\$239.96	0.200	0.004	\$59.99
A	6505002688530	HALOPERIDOL INJ 5MG/ML 1ML AMPUL 10S	PG	1	1	0.200	0.955	\$102.15	0.200	0.955	\$102.15
A	6505013008185	HYDROCORTISONE ACETATE SUPPOSITORIES 25MG 12S	PG	2	2	0.020	0.009	\$4.80	0.020	0.009	\$4.80
B	6505009262095	HYDROCORTISONE CREAM 1% 1 OZ TU	TU	10	1	1.100	0.050	\$45.90	0.110	0.005	\$4.59
B	6505001538480	HYDROGEN PEROXIDE TOPICAL SOL 1 PINT	BT	2	1	2.320	5.064	\$22.54	1.160	2.532	\$11.27
B	6505012149061	IBUPROFEN 800 MG TAB 100S	BT	6	1	1.980	0.079	\$420.30	0.330	0.013	\$70.05

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	6505006558366	ISOPROPYL RUBBING ALCOHOL 1 PT	BT	1	1	1.020	0.031	\$1.55	1.020	0.031	\$1.55
E	6505014821064	KETOROLAC TROMETHAMINE INJ 30MG/ML 1ML 10S	PG	1	2	0.200	0.010	\$57.06	0.400	0.021	\$114.12
A	6505015019585	LAMIVADINE-ZIDOVADINE U/W HIV KIT 6S	PG	1	1	0.550	0.120	\$15.63	0.550	0.120	\$15.63
B	6505015419595	LEVALBUTEROL TARTRATE 45MCG INHALATION WITH ADAPTER 15GM	PG	6	5	1.980	0.660	\$138.96	1.650	0.550	\$115.80
B	6505014554200	LIDOCAINE AND EPINEPHRINE INJ 1:100,000 20 ML VI	VI	3	1	0.420	0.021	\$25.56	0.140	0.007	\$8.52
B	6505005986116	LIDOCAINE HCL INJ 50ML VI 5S	BT	3	1	0.840	1.728	\$57.66	0.280	0.576	\$19.22
B	6505010666568	LOPERAMIDE HCL 2MG CAP 100S	BT	2	1	0.160	0.008	\$13.78	0.080	0.004	\$6.89
B	6505013771432	LORATADINE 10MG TAB 100S	BT	3	1	0.600	0.011	\$308.31	0.200	0.004	\$102.77
B	6505001117829	LUBRICANT SURGICAL 5 GRAM 144S	EA	24	4	0.434	0.014	\$0.04	0.072	0.002	\$0.01
B	6505013881364	MEBENDAZOLE 100MG TAB 12 PG	PG	2	1	0.146	0.016	\$86.50	0.073	0.008	\$43.25
B	6505013151275	MEFLOQUINE HCL TAB 250MG I.S. 25 TAB/PG	PG	4	3	0.280	0.338	\$1,504.40	0.210	0.254	\$1,128.30
A	6505015054693	MEPERIDINE HCL INJ 100MG/ML 1ML UNIT 10S	PG	1	1	0.300	0.014	\$8.10	0.300	0.014	\$8.10
B	6505008901840	METRONIDAZOLE 250MG TAB 250S	BT	3	1	0.750	7.759	\$402.48	0.250	2.586	\$134.16

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6505010498881	MICONAZOLE NITRATE CREAM 45 GM TUBE W/VAGINAL APPLICATOR	EA	2	1	0.400	0.028	\$20.92	0.200	0.014	\$10.46
B	6505010601864	MICONAZOLE NITRATE CREAM TOPICAL 2% 1OZ TUBE 24S	EA	10	3	1.146	0.052	\$0.77	0.344	0.016	\$0.23
A	6505015055813	MORPHINE SULF INJ 10MG/ML 1 ML UNIT 10S	PG	1	1	1.000	0.003	\$10.29	1.000	0.003	\$10.29
A	6505015334126	NALOXONE HCL INJ 0.4 MG/ML 1ML VI 10S	VI	5	5	0.005	0.005	\$0.43	0.005	0.005	\$0.43
A	6505011868758	NAPROXEN TAB 500 MG 500S	BT	1	1	1.150	0.025	\$68.04	1.150	0.025	\$68.04
B	6505010430230	NEOMYCIN&POLYMYXIN B SULFATES& HYDROCORTISONE OTIC SUSP 10ML	PG	6	1	0.480	12.159	\$313.50	0.080	2.027	\$52.25
A	6505006873662	NITROGLYCERIN 0.300MG TAB 100S	BT	1	1	0.060	0.002	\$6.14	0.060	0.002	\$6.14
B	6505011414883	OINTMENT BASE 4 OZ JAR	JR	2	1	0.680	0.460	\$15.70	0.340	0.230	\$7.85
B	6505014590420	OLOPATADINE HCL OPHTH SOL STER 0.1% 5ML	BT	6	2	0.150	0.023	\$386.28	0.050	0.008	\$128.76
B	6505011472084	OPHTHALMIC IRRIGATING SOLUTION 4 FL OZ	BT	10	4	3.400	0.122	\$46.80	1.360	0.049	\$18.72
A	6505001325181	OXYGEN 99% CYLINDER TYPE D 95GL	EA	2	1	27.600	0.578	\$267.98	13.800	0.289	\$133.99
B	6505001490141	PENICILLIN V POT 400000 UNITS TAB 100S	BT	6	1	1.200	0.090	\$179.46	0.200	0.015	\$29.91
B	6505013218812	PERMETHRIN CREAM 60GM TUBE	TU	4	1	0.680	0.045	\$132.08	0.170	0.011	\$33.02

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6505012564972	PERMETHRIN CREAM RINSE 0.100% 2FL OZ PLAS SQUEEZE BT	EA	2	1	0.460	0.028	\$13.74	0.230	0.014	\$6.87
A	6505005825344	PHENAZOPYRIDINE HCL 100MG TAB 1000S	BT	1	1	1.250	0.199	\$39.87	1.250	0.199	\$39.87
E	6505011534451	PHENYLEPHRINE HCL NASAL SOL .25% 15ML	BT	4	6	0.400	0.014	\$17.84	0.600	0.021	\$26.76
B	6505002719220	PHENYLEPHRINE HCL OPTH SOL	BT	8	1	0.560	0.016	\$17.92	0.070	0.002	\$2.24
B	6505009617486	POLYVINYL ALCOHOL OPHTHALMIC SOLUTION ARTIFICIAL TEARS 1.4% 15ML	BT	8	1	0.560	6.518	\$12.88	0.070	0.815	\$1.61
E	6505004917557	POVIDONE-IODINE CLEANSING SOL 7.5% 4 FL	BT	2	4	0.820	0.032	\$3.10	1.640	0.064	\$6.20
A	6505002867011	POVIDONE-IODINE TOPICAL SOL EQUIV 1% IODINE 8FL OZ	BT	2	2	1.220	0.047	\$1.54	1.220	0.047	\$1.54
B	6505011460539	PREDNISONE 10MG TAB 500S	BT	2	1	2.000	0.029	\$35.14	1.000	0.015	\$17.57
A	6505006807352	PROMETHAZINE HCL INJ 25MG/ML 1ML AMPS	BX	1	1	1.000	0.021	\$22.13	1.000	0.021	\$22.13
B	6505013648557	PROMETHAZINE HCL TAB 25MG 100 TAB	BT	2	1	0.400	0.007	\$129.12	0.200	0.004	\$64.56
A	6505007539902	PROPARACAINE HCL OPHTH SOL 0.5% 15 ML	BT	2	2	0.120	0.376	\$36.16	0.120	0.376	\$36.16
B	6505011787736	PROPOXYPHENE NAPSYLATE 100MG TAB 100S	BT	2	1	0.500	0.110	\$236.34	0.250	0.055	\$118.17
B	6505013258790	PSEUDOEPHEDRINE HCL AND GUAIFENESIN EX-REL TAB 100S	BT	3	2	0.750	0.011	\$26.91	0.500	0.007	\$17.94

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6505012323506	PSEUDOEPHEDRINE HCL TAB 30MG 100S	PG	5	2	1.600	0.055	\$32.90	0.640	0.022	\$13.16
E	6505014623025	RINGER'S INJ LACTATED 1000ML BAG 12S	EA	10	11	24.868	0.710	\$1.64	27.355	0.781	\$1.81
B	6505013308924	SOD CHL INJ 0.9% 100ML BAG 64S	EA	10	4	6.406	0.156	\$0.21	2.563	0.063	\$0.08
B	6505013306269	SOD CHL INJ 1000ML BAG 12S	EA	10	1	24.917	0.682	\$0.81	2.492	0.068	\$0.08
E	6505013308926	SOD CHL IRRIGATION USP 0.9% 1000ML BT 16 PER PG	BT	5	12	12.656	0.365	\$0.48	30.375	0.876	\$1.15
B	6505006198215	SOD PHOSPHATES ENEMA USP DISP ENEMA UNIT 4-1/2 FL OZ (133 ML)	BT	4	1	2.000	11.319	\$5.16	0.500	2.830	\$1.29
B	6505012804733	SULFADIAZINE SILVER CREAM 1% 85GM	TU	6	2	0.300	0.173	\$32.34	0.100	0.058	\$10.78
A	6505013948459	SULFAMETHOXAZOLE AND TRIMETHOPRIM TAB 500S	BT	1	1	0.230	0.056	\$35.14	0.230	0.056	\$35.14
D	6505011160481	TEMAZEPAM 15 MG CAP 500S	BT	1	0	0.500	0.025	\$468.24	0.000	0.000	\$0.00
F	6505013679542	TEMAZEPAM 15MG CAP 100S	BT	0	1	0.000	0.000	\$0.00	0.450	0.010	\$17.04
B	6505013559491	TOLNAFTATE POWDER 45GM BT 6S	PG	2	1	0.400	0.017	\$3.36	0.200	0.008	\$1.68
B	6505014803837	TRIAMCINOLONE ACETONIDE CRM 15GM TU	TU	12	4	6.600	0.180	\$23.76	2.200	0.060	\$7.92
E	6505009268913	TRIAMCINOLONE ACETONIDE DENTAL PASTE 5GM	TU	4	5	0.160	0.694	\$131.92	0.200	0.868	\$164.90

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	6505012902999	TRIAMTERENE AND HYDROCHLOROTHIAZIDE TAB 100S	BT	1	1	0.110	0.110	\$6.53	0.110	0.110	\$6.53
E	6505013308932	WATER FOR IRRIGATION STER 1000ML 16S	EA	2	5	0.833	0.015	\$0.24	2.081	0.036	\$0.59
<b>CONSUMABLES</b>											
A	6510002036010	ADHESIVE TAPE SURGICAL 12INX5YDS	RO	1	1	2.000	0.123	\$19.77	2.000	0.123	\$19.77
B	6510010959285	ADHESIVE TAPE SURGICAL 2INX5.5YDS WHITE HYPOALLERGENIC 6S	EA	6	3	0.830	0.068	\$5.20	0.415	0.034	\$2.60
A	6515014590249	ADHESIVE TISSUE OCTLYCANOACRYLATE USE TO CLOSE SURG WOUND 12S	PG	1	1	0.250	0.005	\$330.53	0.250	0.005	\$330.53
B	6515011295438	AIRWAY NASOPHARYNGEAL ARGYLE 30FR 10.10MM OD 7.4MM ID PLAS 10S	EA	6	2	0.360	0.084	\$1.91	0.120	0.028	\$0.64
A	6515012598263	AIRWAY SET ORAL LTWT TUBES SZ INFANT- LGE ADULT 7 COMPONENTS DISP	SE	1	1	2.000	0.304	\$32.90	2.000	0.304	\$32.90
B	6510013391856	APPLICATOR BENZOIN IMPREG IND FOIL WRAPPED 4YDX2IN STER 50S	EA	20	8	0.220	0.031	\$0.17	0.088	0.012	\$0.07
B	6515009051473	APPLICATOR PLAS/WOOD ROD 6IN 0.083IN DIA STER DISP 2000S	EA	65	35	0.021	0.021	\$0.00	0.011	0.011	\$0.00
B	6515015192226	APPLICATOR DISP SWAB STICK PREP SOLUTION PVP IODINE 50S	EN	30	16	0.600	0.017	\$0.11	0.320	0.009	\$0.06
B	6530013416077	BAG BIOHAZ DISP RED BLACK BIOHAZ SYMBOL SGL WALL 25X35IN 200S	EA	20	3	2.300	0.075	\$0.15	0.345	0.011	\$0.02
B	8105011839769	BAG PLAS 39 X 33 IN DARK BROWN & GREEN 33 GAL 50 LB	EA	55	50	4.400	0.330	\$13.63	4.000	0.300	\$12.39

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D = Delete With Replacement

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F = New Item, Replacement

G = New Item, New Component

Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	8105008377753	BAG PLAS 4X4IN	EA	500	91	1.740	0.095	\$0.01	0.317	0.017	\$0.00
E	6640011536786	BAG WATER SAMPLE POLYETHYLENE 3 X 7 IN 100S	PG	2	3	2.000	0.134	\$33.72	3.000	0.200	\$50.58
B	6510005977469	BANDAGE ADHESIVE FLESH/CLEAR 3x.75IN 100S	PG	5	1	1.300	0.100	\$25.75	0.260	0.020	\$5.15
B	6510009355823	BANDAGE ELASTIC COTTON 6INX 4.5YDS 12S	EA	12	10	1.000	0.004	\$1.89	0.833	0.003	\$1.58
E	6510009355822	BANDAGE ELASTIC FLESH ROLLED 4.5YDX4INWASHABLE PRESSURE 12S	EA	14	20	1.120	0.102	\$1.72	1.600	0.146	\$2.45
A	6510012308702	BANDAGE GAUZE ELASTIC STER 4.5YD X 3IN WHITE ROLLED LINT FREE12S	PG	3	3	2.250	0.387	\$38.25	2.250	0.387	\$38.25
B	6510014971063	BANDAGE GAUZE WHITE USAMMA USE ONLY ORDER 6510000583047	EA	19	5	6.650	2.090	\$18.62	1.750	0.550	\$4.90
B	6510002011755	BANDAGE MUSLIN COMPRESSED OLIVE DRAB37X37X52IN TRIANG W/SFTY PINS	EA	24	15	3.000	0.055	\$52.80	1.875	0.035	\$33.00
B	6530008368134	BASIN EMESIS PLAS KIDNEY SHAPE 10IN LONG DISP 250S	EA	50	15	2.000	29.509	\$0.03	0.600	8.853	\$0.01
B	6530010752723	BASIN WASH PLAS DISP 7 QT 100S	EA	10	7	3.600	0.320	\$0.04	2.520	0.224	\$0.03
E	6530012761420	BRUSH SURGICAL SCRUB 36S	EA	14	15	0.097	0.001	\$0.40	0.104	0.001	\$0.43
C	6810015116469	CALCIUM HYPOCHLORITE ANALYZED REAG 2.5KG STRONG OXIDIZER	BT	1	0	1.150	0.150	\$73.13	0.000	0.000	\$0.00
A	7530002470318	CARD INDEXPAPER GRADE C O/A WHITE 3 X 5 IN RULED 1 SIDE	HD	1	1	1.000	0.100	\$1.04	1.000	0.100	\$1.04

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
G	6515004588413	CATHETER & CONNECTOR SUCTION TRACH 10FR PLAS STER DISP 50S	EA	0	2	0.000	0.000	\$0.00	0.200	0.031	\$0.97
B	6515011535373	CATHETER & NDL UNIT IV 14GAX3.25IN LUER HUB AND NDL GUARD RADPQ 50S	EA	10	5	0.200	0.038	\$0.87	0.100	0.019	\$0.43
B	6515013373681	CATHETER & NDL UNIT IV 18GAX1.25IN W/NDL GUARD BEVELED TIP 200S	EA	50	6	1.000	0.106	\$0.73	0.120	0.013	\$0.09
B	6515013909650	CATHETER & NDL UNIT IV 20GA PINK DISP STER200S	EA	50	6	0.983	0.103	\$0.68	0.118	0.012	\$0.08
G	6515001490104	CATHETERIZATION KIT URETHRAL W/BOT- OUTLET DRAIN BAG & 16FR CATH	EA	0	2	0.000	0.000	\$0.00	1.420	0.508	\$12.96
A	6515010227417	CAUTERY BTRY OPER LOW TEMP FINE POINT TIP 1.5V CYL AA HDL DISP10	EA	2	2	0.194	0.014	\$1.70	0.194	0.014	\$1.70
G	6540010793516	CHART AMSLER RECORD 50 CHARTS	EA	0	1	0.000	0.000	\$0.00	0.006	0.002	\$0.08
C	6850013749921	CHLORINATION KIT WATER PURIFICATION FLOCCULATING TABLET	KT	4	0	10.000	0.052	\$53.64	0.000	0.000	\$0.00
E	6515015249755	CLEAN-UP KIT BLOOD AND FLUID	KT	2	5	2.500	6.000	\$78.60	6.250	15.000	\$196.50
G	6515014493193	COLLECTION CANISTER 1200ML w/LID PLAS 10S	EA	0	2	0.000	0.000	\$0.00	0.080	0.080	\$7.20
A	6630013884098	COMPARATOR COLOR USE W/6630-01-362-8299 &6630-01-357-5910 100ML	BT	1	1	0.344	0.013	\$9.00	0.344	0.013	\$9.00
C	6515011621800	CONDOM W/RECEPTACLE END LATEX RUBBER (TROJAN) PROPHYLACTIC 36S	PG	2	0	0.040	0.010	\$6.16	0.000	0.000	\$0.00
F	6515013738659	COVER THERMOMETER PROBE PLAS DISP 100S	EA	0	2	0.000	0.000	\$0.00	0.004	0.000	\$0.08

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
D	6515014594834	CRICOTHYROTOMY SET	EA	1	0	0.500	0.037	\$134.70	0.000	0.000	\$0.00
F	6515013215211	CRICOTHYROTOMY SET PERCUTANEOUS EMERGENCY ADULT STER DISP	EA	0	1	0.000	0.000	\$0.00	0.200	0.050	\$186.68
G	6530008377472	CUP SPECIMEN PLAS DISP 2.50 IN DIAMETER 4.5 OZ 100S	EA	0	3	0.000	0.000	\$0.00	0.180	0.042	\$0.33
B	6515012908955	CURETTE EAR PEDIATRIC FLEX-LOOP 7IN BLUNT BLADE EDGE PLAS 50S	PR	30	1	0.072	0.005	\$1.04	0.002	0.000	\$0.03
A	6545014331515	DENTAL KIT EMERGENCY	EA	1	1	0.500	0.020	\$30.75	0.500	0.020	\$30.75
A	6515003245500	DEPRESSOR TONGUE 6X0.75X0.062IN STRAIGHT 100S	PG	1	1	0.667	0.031	\$3.08	0.667	0.031	\$3.08
G	6515013682874	DETECTOR END-TIDAL CO2 ADULT 6S	EA	0	2	0.000	0.000	\$0.00	0.083	0.033	\$3.66
A	6665011334964	DETECTOR KIT CHEMICAL	KT	1	1	8.000	1.050	\$39.93	8.000	1.050	\$39.93
A	6505011013759	DETERGENT SURGICAL MEDICATED 8 OZ PLAS SQUEEZE BT	BT	2	2	1.182	0.028	\$18.00	1.182	0.028	\$18.00
G	6515014993126	DRAINAGE UNIT PLEUREVAC W/BLOOD RETRIVAL 6S	EA	0	1	0.000	0.000	\$0.00	0.300	0.167	\$46.53
B	6510011018936	DRESSING OCCLUSIVE ADHESIVE 3X2IN TRANSPARENT STER FLAT 100S	EA	25	12	0.213	0.006	\$0.24	0.102	0.003	\$0.11
B	6510015064608	DRESSING PRESSURE PAD COTTON 11.75X11.75IN STER LATEX-FREE	EA	6	2	0.960	0.119	\$37.44	0.320	0.040	\$12.48
B	6510015064604	DRESSING PRESSURE PAD COTTON 7.5X8IN STER LATEX FREE	EA	6	5	3.300	0.660	\$27.30	2.750	0.550	\$22.75

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
A	6505015032390	FLUORESCCEIN SOD OPHTHALMIC STRIPS MODIFIED 1MG 100S	PG	1	1	0.150	0.007	\$0.05	0.150	0.007	\$0.05
E	7510013162302	FOLDER FILE 100% CHEM PULP NATURAL 11.75X9.5IN SCORED PLAIN 100S	EA	10	79	0.800	0.100	\$0.10	6.320	0.790	\$0.76
A	6515003323300	FORCEPS TRACHEAL TUBE MAGILL FENESTRATED & SERR ADL W/O LIGHT	EA	1	1	0.200	0.024	\$137.21	0.200	0.024	\$137.21
B	6510010037697	GAUZE ABSORBENT IODOFORM IMPREGNATED .25 IN BY 5 YDS 12S	EA	8	1	2.107	0.061	\$1.61	0.263	0.008	\$0.20
A	6510000802053	GELATIN SPONGE 6X2X.7CM RECT I.P.PEEL- OPEN PAPER ENVELOPE SURG 12S	BX	1	1	0.100	0.100	\$76.22	0.100	0.100	\$76.22
A	6515014618933	GLOVE PATIENT EXAM 9.5IN LG N-DEX DSGN NITRILE RBBR SZ MED 100S	PG	1	1	1.330	0.087	\$8.58	1.330	0.087	\$8.58
B	6515014618929	GLOVE PATIENT EXAM 9.5IN LG N-DEX DSGN NITRILE RBBR SZ LGE 100S	EA	210	60	12.600	0.365	\$22.05	3.600	0.104	\$6.30
B	6515011498840	GLOVES SURGEONS GEN SURG SZ 7 PREPOWDERED STER DISP 50PR	PR	10	5	0.734	0.073	\$0.05	0.367	0.037	\$0.03
B	6515011498841	GLOVES SURGEONS GEN SURG SZ 7.5 PREPOWDERED STER DISP	PR	10	3	0.912	0.095	\$0.06	0.274	0.029	\$0.02
B	6515011498842	GLOVES SURGEONS GEN SURG SZ 8 PREPOWDERED STER DISP	PR	10	3	0.830	0.066	\$0.05	0.249	0.020	\$0.01
B	6532011536517	GOWN ISOLATION DISP YELLOW LARGE ELASTIC CUFF 100S	EA	10	8	0.500	0.251	\$0.24	0.400	0.201	\$0.19
E	6508015355409	HAND SANITIZER 3OZ BT 24S	BT	1	3	0.065	0.005	\$3.55	0.194	0.015	\$10.66
G	6515015328056	HYPOTHERMIA KIT HEAT GENERATING	EA	0	2	0.000	0.000	\$0.00	1.100	3.000	\$186.00

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6515001179021	INTRAVENOUS INJ SET VENT 15 DROPS PERML 78INLG STER DISP48S	EA	30	11	2.813	0.330	\$1.96	1.031	0.121	\$0.72
B	6515009786133	KNIFE GENERAL SURG 1.50IN BLADE LG SIZE 15 BLADES SS/CS DISP 100S	EA	10	7	0.001	0.000	\$0.05	0.001	0.000	\$0.04
F	6515013139633	KNIFE GENERAL SURGICAL 1.75IN BLADE LG SIZE 11 BLADE CRS/PLAS100S	EA	0	7	0.000	0.000	\$0.00	0.139	0.014	\$3.04
D	6515014971110	KNIFE GENERAL SURGICAL CRS BLADE PLAS HANDLE SCALPEL 1.75IN BLADE LG	EA	10	0	0.700	0.500	\$907.50	0.000	0.000	\$0.00
A	7530011728862	LABEL WHITE RECT 1.75 X 2.75 1000S	PG	1	1	6.180	0.192	\$41.07	6.180	0.192	\$41.07
B	6540013663157	LENS DELIVERY SET MORGAN DISP 6S	EA	4	1	0.667	0.019	\$4.45	0.167	0.005	\$1.11
B	6540012962130	LENS SCLERAL OCULAR LAVAGE PLAS MOLDED DISP	EA	4	1	0.147	0.033	\$8.00	0.037	0.008	\$2.00
A	6508015087243	LIPSTICK ANTICHAP SPF30 0.15OZ 24S	PG	1	1	0.575	0.071	\$69.00	0.575	0.071	\$69.00
B	6515013180463	MASK & REBREATHING BAG ORONASAL W/ADAPTER CHIN STYLE DISP50	EA	8	6	0.640	0.244	\$0.33	0.480	0.183	\$0.25
G	9930007245566	MORTUARY PACK	EA	0	1	0.000	0.000	\$0.00	0.640	0.800	\$2.50
G	6515013223063	NDL HYPODERMIC C20 SPINAL 22GAX5IN LUER LOCK HUB STER DISP 10S	EA	0	2	0.000	0.000	\$0.00	0.002	0.000	\$1.02
A	7530002237939	NOTEBOOK STENOGRAPHER'S 6X9 IN 12S	EA	4	4	1.811	0.051	\$0.38	1.811	0.051	\$0.38
G	6515015046096	PACK HEAT INSTANT REUSABLE	EA	0	1	0.000	0.000	\$0.00	1.000	0.060	\$40.50

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6510007755706	PAD ABDOMINAL 7.5X8IN WHITE 3LAYERS STER SEAL PKG POST OP 240S	EA	120	2	7.000	127.756	\$0.13	0.117	2.129	\$0.00
B	6530013667671	PAD BED LINEN NONWOVEN PLAS POLYPROPYLENE DISP 23X36IN 150S	EA	50	10	5.000	0.862	\$0.08	1.000	0.172	\$0.02
C	6530014445476	PAD COOLING CHEMICAL	EA	1	0	1.000	0.466	\$1.04	0.000	0.000	\$0.00
E	6530012761366	PAD COOLING CHEMICAL PLAS WHITE DISP 8X4IN 16S	EA	8	12	2.500	0.207	\$5.56	3.750	0.310	\$8.34
E	6510011077575	PAD COTTON GAUZE COVERED 2.5 X 2-1/8 IN CREAM OR WHITE 50S	EA	20	45	0.188	0.044	\$0.08	0.423	0.100	\$0.19
E	6510001110708	PAD NONADHERENT 3.875/4.125X2.875/3.125IN WHITE STER I.S.100S	EA	20	30	0.216	0.022	\$0.02	0.324	0.034	\$0.03
B	6510013060898	PAD PETROLATUM & BISMUTH TRIBROMOPHENATE 9X5IN STER WHITE 200S	EA	26	12	0.260	0.088	\$23.35	0.120	0.040	\$10.78
B	6510007863736	PAD PREP ISOPROPYL ALCOHOL IMPREGNATED 2.6INX1.8IN 100s	PG	6	4	1.740	0.149	\$17.40	1.160	0.099	\$11.60
B	7530013352623	PAPER COPYING XEROX	RM	2	1	50.000	2.110	\$7.00	25.000	1.055	\$3.50
B	6515013225898	RAZOR SURG PREPARATION PLAS STATIONARY DSGN SOLID HDL DISP 100S	EA	10	7	0.230	0.029	\$0.04	0.161	0.020	\$0.03
A	6532014502057	RESPIRATOR AIR FILTERING INFECTION CONTROL 35S	PG	1	1	2.600	0.139	\$48.87	2.600	0.139	\$48.87
B	9905014582060	RIBBON FLAGGING ARTIC VINYL 150FT 1.18IN WIDE 12S	RO	6	5	0.090	0.010	\$0.06	0.075	0.008	\$0.05
A	6520010609516	SEALING COMPOUND PULP CANAL DENTAL PASTE NON-TOXIC TUBE 4S	PG	1	1	0.110	0.004	\$19.80	0.110	0.004	\$19.80

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	7210001396376	SHEET BED FLAT NONWOVEN FABRIC AQUA DISP 100S	EA	20	6	6.200	0.350	\$0.20	1.860	0.105	\$0.06
B	6515014491016	SHIELD EYE SURGICAL FOX SINGLE NATURAL ALUMINUM 12S	EA	4	1	0.053	0.001	\$0.58	0.013	0.000	\$0.15
B	6510000547255	SKIN CLOSURE ADHESIVE SURGICAL POROUS .25X4IN 500S	EN	20	4	0.029	0.001	\$0.03	0.006	0.000	\$0.01
E	6508014601452	SOAP ANTISEPTIC ANTIBACTERIAL 18 OZ BT WITH PUMP	BT	2	3	0.900	0.024	\$118.44	1.350	0.036	\$177.66
B	6515013294847	SPECULUM OTOSCOPE SLIT TYPE 4MM SIZE ADULT PLAS BLACK DISP 1000S	EA	274	40	0.269	0.041	\$0.12	0.039	0.006	\$0.02
G	6515009141543	SPECULUM VAGINAL GRAVES MED 6.50IN DISP 100S	EA	0	2	0.000	0.000	\$0.00	0.240	0.026	\$1.10
A	6515014854041	SPLINT FINGER ALUM MALLEABLE 18INX.75IN FOAM PADDED 12S	PG	1	1	0.850	0.027	\$18.72	0.850	0.027	\$18.72
G	6515011961701	SPLINT FOOT & ANKLE PNEUMATIC ADULT SIZE 15IN RADIOLUCENT PLAS	EA	0	2	0.000	0.000	\$0.00	2.000	0.060	\$10.76
B	6515013589488	SPLINTING MATERIAL ORTHO 72X4IN ROLL FORM ALUM/RUBBER FOAM	EA	6	4	6.000	0.156	\$58.50	4.000	0.104	\$39.00
B	6510007219808	SPONGE SURGICAL CELLULOSE/COTTON /GAUZE 4X4IN STER 1200S	EN	337	109	3.651	0.738	\$0.04	1.181	0.239	\$0.01
B	6510000584421	SPONGE SURGICAL GAUZE 2X2IN STER WHITE 20-12 MESH 3000S	EA	670	91	0.849	0.336	\$0.02	0.115	0.046	\$0.00
E	6515010357962	STOPCOCK INTRAVENOUS THERAPY 3 WAY PLAS STER DISP50S	EA	10	12	0.600	5.208	\$0.20	0.720	6.250	\$0.24
B	6515013948327	STYLET TRACHEAL TUBE 7.5MM TO 10MM TRACHEAL TUBES DISP 10S	EA	6	1	0.600	0.072	\$2.42	0.100	0.012	\$0.40

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
C	6505015063435	SUNSCREEN PREPARATION SPF-30 WATER&SWEAT RESISTANT 4OZ BT	EA	2	0	0.618	0.016	\$6.70	0.000	0.000	\$0.00
C	6545015556740	SURGICAL AND SUTURE KIT	KT	1	0	2.500	0.556	\$75.98	0.000	0.000	\$0.00
B	6515004822833	SUTURE ABS SURG 4-0 SINGLE ARMED STERLIE 36S	EA	12	7	0.177	0.016	\$0.92	0.103	0.010	\$0.54
G	6515012091165	SUTURE ABS SURG GEN CLOSURE SZ 0 SGL ARMED B3 1/2 CIR STER 36S	EA	0	1	0.000	0.000	\$0.00	0.008	0.001	\$0.16
B	6515013093551	SUTURE KIT SURGICAL INCL ADSON TISSUE FORCEPS WITH TEETH DISP20S	EA	13	11	4.940	0.734	\$7.55	4.180	0.621	\$6.39
B	6515011534757	SUTURE NONABS PLAS SURG SZ 4-0 SGL ARMED PLAS MONO ORDER BY 1S	DZ	2	1	0.020	0.002	\$533.44	0.010	0.001	\$266.72
B	6515009608192	SUTURE NONABS SURG SZ 3-0 1.5FT NDL FS-1 BLACK NYLON STER 36S	EA	12	7	0.067	2.148	\$0.95	0.039	1.253	\$0.55
B	6515010615374	SUTURE NONABS SZ 5-0 1.5FT NDL FS-2 DRY PACK UNCOATED STER 36S	EA	24	7	0.300	0.054	\$0.65	0.088	0.016	\$0.19
B	6515004361881	SUTURE REMOVAL KIT STER DISP 50S	EA	13	3	1.443	13.201	\$0.47	0.333	3.046	\$0.11
B	6515014217158	SYR & NDL TB 1ML 25GA SGL SCALE STER 100S	EA	25	10	0.025	0.025	\$0.15	0.010	0.010	\$0.06
B	6515014923276	SYR AND NDL HYPO SAFETY 25GAGE .625IN 400S	EA	25	7	1.250	0.472	\$0.05	0.350	0.132	\$0.01
B	6515013568511	SYR HYPO GP 10ML CAP LUER LOCK TIP W/O NDL PLAS STER 400S	EA	14	5	0.420	0.049	\$0.00	0.150	0.018	\$0.00
E	6515007540406	SYR HYPO GP 5ML CAP SGL SCALE LUER SLIP PLAS STER DISP 100S	EA	20	27	0.950	0.092	\$0.03	1.283	0.124	\$0.04

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
G	6515015386349	SYR HYPO GP 60CC STER LUER LOCK 100S	EA	0	2	0.000	0.000	\$0.00	0.030	0.001	\$1.35
B	6515014123101	SYR HYPO GP 20CU CM CAPACITY DISP 25S	EA	10	6	0.700	0.132	\$0.32	0.420	0.079	\$0.19
G	6515011643061	SYR IRRIGATING 60CC CATH TIP HOLL 100S	EA	0	1	0.000	0.000	\$0.00	0.150	0.011	\$0.61
B	6520011732081	SYR KIT DEN IMPRESSION & IRRIGATING BARREL&PLUNGER DISP 12ML	KT	16	1	20.080	2.602	\$720.96	1.255	0.163	\$45.06
A	6530013983968	TAG MASS CASUALTY INDICENT TRIAGE DESIGN COLOR CODED 50S	PG	1	1	1.000	0.014	\$28.80	1.000	0.014	\$28.80
B	6510009268884	TAPE ADHESIVE SURGICAL POROUS WOVEN RAYON 3INX10YDS	EA	4	1	1.090	0.035	\$3.42	0.273	0.009	\$0.86
B	6510009268882	TAPE ADHESIVE SURGICAL POROUS WOVEN ROLLED RUBBER 1INX 10YD 12S	RO	11	1	1.833	0.025	\$1.34	0.167	0.002	\$0.12
C	5640001032254	TAPE DUCT PLAS COATED CLOTH VAPOR PROOF ALUM OR SILVER 2IN X 60YD	RO	2	0	2.998	0.104	\$5.06	0.000	0.000	\$0.00
A	6630010124093	TEST PAPER CHLORINE DETERMIN RANGE 10- 50-100-200 PPM 10S	PG	1	1	0.520	0.024	\$15.00	0.520	0.024	\$15.00
E	6640012641387	TEST PAPER HYDROGEN ION 0.0-13.0 PH VALUE RANGE 15FTX.218IN	PG	1	2	0.008	0.005	\$7.52	0.016	0.010	\$15.04
A	6550011225540	TEST STRIPS & COLOR CHART BILIRUBIN BLD GLU KET NITRITE PH PROT100	BT	1	1	0.200	0.015	\$72.87	0.200	0.015	\$72.87
D	6515013429183	THERMOMETER LIQUID CRYSTAL CLINICAL 84-106 DEG F ADH BACK 100S	PG	1	0	1.000	0.062	\$223.50	0.000	0.000	\$0.00
B	6515007637366	TUBE DRAINAGE SURGICAL C18 THORACIC 32FR STR 20IN STER DISP 10S	EA	2	1	0.308	0.019	\$1.39	0.154	0.010	\$0.69

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Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
B	6515011295439	TUBE NASOPHARYNGEAL ARGYLE 32FR 10.16MM OD 7.9MM ID PLAS STER10S	EA	6	1	0.006	0.001	\$2.83	0.001	0.000	\$0.47
G	6515001490316	TUBE STOMACH SURGICAL PLAS SALEM E19 W/FUNNEL 16FR DBL LUMEN 48IN	EA	0	2	0.000	0.000	\$0.00	0.160	0.028	\$7.37
G	6515011742354	TUBE SUCTION SURG 144IN (12FT) PLAS 9/32IN DIAM TRANSPARENT DISP 20S	EA	0	3	0.000	0.000	\$0.00	0.021	0.005	\$5.99
G	6515011470203	TUBE SUCTION SURGICAL YANKAUER 72IN STR 50S	EA	0	2	0.000	0.000	\$0.00	0.360	0.038	\$3.98
B	6515001050744	TUBE TRACHEAL MURPHY E12 W/CUFF 7.0MM ID 30CM LG W/15MM CONN 10S	EA	6	1	0.540	0.175	\$1.39	0.090	0.029	\$0.23
B	6515012460108	TUBE TRACHEAL NASAL E12 W/CUFF 8MM LOW PRESSURE/THIN CUFF 10S	EA	6	1	0.900	0.262	\$4.56	0.150	0.044	\$0.76
B	6515012405760	TUBE TRACHEAL ORAL AND RAE E12 W/CUFF 7.5MM 10S	EA	6	1	0.030	0.021	\$5.57	0.005	0.003	\$0.93
A	6515009269150	VALVE SURG DRAIN HEIMLICH 4.50INX1IN DIA FLUTTER RBBR STER 10S	EA	2	2	0.200	4.444	\$4.26	0.200	4.444	\$4.26
B	6515014407446	VENTILATOR POCKET PORTABLE W/CARRYING CASE 12S	EA	6	2	2.720	0.409	\$5.37	0.907	0.136	\$1.79
A	6630013628299	WATER SAMPLING TEST REAGENT COLIFORM 200S	PG	1	1	2.181	0.293	\$1,309.85	2.181	0.293	\$1,309.85
A	6665006824765	WATER TESTING KIT BACTERIOLOGICAL:	EA	1	1	32.400	3.080	\$3,891.03	32.400	3.080	\$3,891.03
A	6665011340885	WATER TESTING KIT M272 CHEMICAL AGENTS	EA	1	1	28.000	0.147	\$235.10	28.000	0.147	\$235.10
A	6840015009521	WIPES DISINFECTANT GERMICIDAL 6.75X6IN	EA	2	2	0.375	0.042	\$610.00	0.375	0.042	\$610.00

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G	651014999285	WOUND PACK HEMOSTATIC TREATMENT 5X7IN PKG NO REFRIGERATION REQD	EA	0	2	0.000	0.000	\$0.00	1.600	0.040	\$33.00
<b>DURABLES</b>											
E	6135009857845	BATTERY NONRECHARGEABLE 1.5V AA 24S	EA	32	30	1.733	0.320	\$7.04	1.625	0.300	\$6.60
A	6135009002139	BATTERY NONRECHARGEABLE ALKALINE 9.0 VOLTS 12S	PG	1	1	1.300	0.021	\$11.72	1.300	0.021	\$11.72
B	6135008357210	BATTERY NONRECHARGEABLE D 1.5 VOLT CYLINDRICAL 12S	EA	26	9	8.233	0.091	\$19.33	2.850	0.032	\$6.69
B	7035NCM010076	BLACK INK JET CARTRIDGE	EA	2	1	0.500	0.020	\$56.00	0.250	0.010	\$28.00
B	7035NCM010075	COLOR INK JET CARTRIDGE	EA	2	1	0.500	0.020	\$54.00	0.250	0.010	\$27.00
B	6530014609635	DISPOSAL CONTAINER BIOHAZARDOUS MATERIALS SHARPS 1QT RIGID RED 72S	EA	6	2	0.096	0.013	\$0.27	0.032	0.004	\$0.09
B	7520003126124	MARKER TU TYPE FINE TIP BLACK PERMANENT NO ODOR DRIES INSTANTLY	EA	6	1	0.250	0.005	\$0.39	0.042	0.001	\$0.07
B	7520009357136	PEN BALL-POINT RETRACTABLE MED PT BLACK	EA	6	3	0.001	0.003	\$0.22	0.001	0.002	\$0.11
B	7510002815234	PENCIL NONINDELIBLE GRAPHITE LEAD NO.2 THIN IV TYPE & 2 NUMBER	EA	6	3	0.050	0.001	\$0.06	0.025	0.000	\$0.03
C	6515001376345	PLUG EAR NOISE PROTECTION UNIV SZ VINYL FOAM CYLINDRICAL 400S	BX	1	0	1.600	0.354	\$23.89	0.000	0.000	\$0.00
B	5970005431154	TAPE INSULATION ELECT	RO	2	1	0.200	0.200	\$13.52	0.100	0.100	\$6.76

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# Appendix E: Recommended Allowance Standard

CAT	NSN	NOMENCLATURE	UM/ UI	AS QTY	ESP QTY	AS WGT	AS CUBE	AS COST	ESP WGT	ESP CUBE	ESP COST
C	5970004194291	TAPE INSULATION ELECT	RO	2	0	0.007	0.000	\$0.04	0.000	0.000	\$0.00
C	4610015138498	WATER PURIFIER PORTABLE	EA	1	0	0.500	0.130	\$107.92	0.000	0.000	\$0.00

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**13. SUPPLEMENTARY NOTES**

**14. ABSTRACT (maximum 200 words)**

**Objective:** The primary objective of this study was to provide the Air Force with a recommended inventory that satisfies the mission and was based solely on the stated operational requirements for the GR1 clinical and preventive medicine functional.

**Approach:** The starting point for this review was the initial GR1 technical report that served as a baseline for populating the inventory. This entailed reviewing the range of patient conditions and preventive medicine objectives listed in the baseline study. The inventory items were associated to clinical and preventive medicine tasks with the materiel required to perform those tasks.

**Results:** This study resulted in a list of recommended line items to add to the AS, thereby enhancing the GR1's capabilities. The items were recommended based on whether and how well they fulfilled mission requirements, and in quantities derived from the patient stream and preventive medicine task frequencies.

AS changes were derived from either Service or Joint supply solutions, ensuring standardization. The study produced a weight, cube, and cost analysis of the inventory based on the patient stream. The recommended inventory was compared with the current AS configuration, and differences in weight, cube, and cost totals were calculated.

**15. SUBJECT TERMS**

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